

Program of Studies

2009-2010



Grosse Pointe High Schools

THE GROSSE POINTE PUBLIC SCHOOL SYSTEM

HIGH SCHOOL

PROGRAM OF STUDIES

2009-2010

Department of Curriculum, Assessment, and Instruction and
Technology

Dr. Susan D. Allan, Assistant Superintendent

Mr. Leo Warras, Executive Director Instructional Services

Vision Statement

Excellence in Education: Learning and Leading for Today and Tomorrow

Mission Statement

The Grosse Pointe Public Schools, in partnership with students, staff, parents, and community, will be at the forefront of education. An evolving curriculum and the highest standards of instruction and learning in every class, every day, will ensure that each student is challenged to fully develop individual abilities, skills and character to succeed in life. We are committed to creating an environment that cultivates knowledgeable, responsible, and caring citizens who embrace life's possibilities with a passion for continuous learning.

2009-2010
HIGH SCHOOL PROGRAM OF STUDIES
FOR
GROSSE POINTE NORTH & GROSSE POINTE SOUTH
TABLE OF CONTENTS

Vision Statement and Mission Statement.....	2
In-District Student Transfer Policy.....	4
Non-Discrimination Policy.....	4
Program Access.....	4
Auditing a Class and Improvement of a Grade.....	5
On-Line Courses.....	6
Grosse Pointe Board of Education and Administration.....	7
Test-Out Provision.....	8
Dual Enrollment.....	8
Michigan Promise Scholarship Program.....	9
State Endorsed Transcripts.....	9
Annual Notification of Parent and Student Rights.....	10
Annual Notification of the Family Privacy Act.....	10
Annual Parent Notification.....	10
Career Pathways.....	11
Presidents' Council University Admissions Requirements.....	25
North Central Athletic Association Recommendations.....	25
Advanced Placement International Diploma.....	25
Graduation Requirements.....	26
Summer School Opportunities.....	30

Course Descriptions by Department

Art.....	31
Business Education.....	35
English.....	39
Interdepartmental.....	45
Lifeskills and Health.....	47
Mathematics.....	51
Modern and Classical Languages.....	57
Performing Arts (Music, Acting, Dance).....	63
Physical Education.....	69
Science.....	71
Social Studies.....	79
Technology.....	85
Television Production.....	89
Special Education and Adjusted Studies (SRC).....	91
Special Programs.....	97
INDEX - High School Program of Studies.....	102

IN-DISTRICT STUDENT TRANSFER POLICY

It is the desire of the board to limit the high school enrollment to no more than 1,500 students per school with the differential between the two high schools of not more than 300. Based on projections, transfers will be limited if the total population 9-12 (excluding special education) is greater than 1,500 and/or more than a difference of 300.

If enrollment must be limited, permission will first be granted to siblings of students already at the high school.

Transfer requests at the high school level will ordinarily only be considered for the beginning of the 9th grades and with the understanding that the students will stay at the high school throughout the high school years.

Transportation to and from the new school will be the responsibility of the parent or guardian.

The superintendent shall establish procedures for processing transfer requests. The procedures shall include an appeal process.

NON-DISCRIMINATION POLICY

The Grosse Pointe Public School System is committed to a policy of nondiscrimination in relation to race, color, religion, national origin (Title VI of the Civil Rights Act of 1964), sex (Title IX of the Educational Amendments of 1972), or handicap (Section 504 of the Rehabilitation Act of 1973). Policies GAAB and GAAC (August 10, 1992) and Grievance regulations are available for those who believe this policy has been abused.

Questions, requests for information, and/or complaints relating to a claim of discrimination in The Grosse Pointe Public School System should be addressed to Mr. Thomas Harwood, Human Resources, 389 St. Clair, 432-3020.

PROGRAM ACCESS

The Grosse Pointe School System is dedicated to providing educational programs that maximize students' opportunities for academic growth. Middle and high school counselors work with students to assist them in making course selections that are appropriately challenging and meet their individual needs.

The Superintendent has directed that the high schools work cooperatively to maintain a schedule of comprehensive course offerings at both high schools. Low enrollment in a particular course may cause cancellation of that course at one or both high schools. In that case, if the course is offered at only one school, or when it is not possible to arrange a student's schedule to take a course, the student may take the course at the other campus. When students elect to take a course at the other campus, the administration will make every attempt to offer the courses at the beginning or end of the day. However, transportation remains a parental responsibility. It may be necessary to adjust the starting time for first-hour high school classes if the class includes students from the other high school. The adjusted starting time ensures adequate time for safe travel between buildings. Parents will be notified as soon as possible if the starting time is adjusted.

Semesterization of Credit and Grades

Credit for all classes is posted on student's transcripts at the end of each semester. Students receive .5 credits and a final grade at the end of **each** semester. This applies both to year-long and semester courses. For instance, a student taking American Legal System (a semester course) will receive .5 credits after successfully completing the course. A student taking U.S. History (a year-long course) will have .5 credits and a final semester grade posted to their transcript in January and .5 more credits and a second semester grade posted to their transcript in June. In determining the semester grade, each quarterly marking period counts as two-fifths, and the end-of-semester assessment counts as one-fifth of the final semester grade. The two semester grades for a year long course both appear on the student's transcript and are both used in calculating the student's cumulative grade point average. Students in year-long courses are generally assigned the same teacher for the entire year, most often in the same class period.

Auditing a Class

With the written permission of the school principal, a student may audit a class rather than earn credit for it. The audited class fulfills the student's requirement to attempt 60 hours. However, no grade is assigned for an audited class, and no credit is earned. An audited class is shown on the student's transcript as AUDIT.

A request for permission to audit a class must be submitted to the school principal in writing in advance of the class. The principal will grant permission if the class is an appropriate placement for the student and there is room in the class. To receive permission to audit, the student must agree to maintain good attendance, observe all class rules, keep up with assigned work, and take all class tests. If a student does not meet these requirements in reasonable fashion, he or she is subject to immediate loss of the audit privilege for this class.

Improvement of a Grade

If a student re-takes a high school course, the new grade if higher, replaces the previous grade as long as the student has not passed a course higher in sequence since first taking the course. The replacement grade becomes the grade of record for the transcript and issued in computing the student's grade point average.

Although the majority of courses offered in the High School Program of Studies will take place exactly as described, parents and students should be aware that modifications may have to be made due to circumstances of enrollment, teacher availability, changes in State or local graduation requirements or modifications in scheduling. From time to time, changes are made in policies and requirements after approval of the Program of Studies. Key changes are publicized to students and parents via newsletters, the district website, news releases and direct mail.

In addition, changes must sometimes be made in a student's schedule after it has been issued in order to balance class size across sections. This may involve (a) assigning a student to a different existing class section with a reduced class size; or, (b) assigning a student to a newly created class section with a reduced class size. These assignments are made to equalize class size and therefore usually result in placing the students in a class with a lower teacher or student ratio than existed in the section from which the student was transferred. Balancing adjustments will take into account the disruption to a student's overall schedule and will only be carried out in those instances where the disruption to the overall schedule is minimized.

ON-LINE COURSES

Approval of Credit for Select Online Courses for Students

Provision of credit for select online courses is intended to provide students with the flexibility and individualization that online credit opportunities can offer while incorporating criteria that ensure quality and consistency.

Students may enroll in either university or high school credit courses under the following regulations:

University Courses for Students with Dual Enrollment Eligibility: Under the current dual enrollment policies and regulations of the district, the district will allow credit for online courses that are offered for regular credit under programs by accredited universities or colleges and would be accepted for credit by their own instructional programs. Students should apply for permission to enroll in such online courses using the normal dual enrollment procedures of the district. (See your student's counselor for the procedure.) Some district payment will be available.

University Courses without Dual Enrollment Eligibility: Students who are not yet eligible for dual enrollment can apply for credit for online courses that are offered for regular credit under programs by accredited universities or colleges and would be accepted for credit by their own instructional programs. The district will not pay for the cost of classes taken under these regulations. The student must obtain permission to take the course during the semester prior to enrollment in the class.

High School Credit Courses or Courses that Don't Carry University Accreditation: Students may also take courses that are not from an accredited university or college or for courses which would not normally carry credit for the institution's regular programs at their own expense. For such courses, the procedure would be as follows:

- The student must be enrolled in a full 6 credit schedule during the regular school year in addition to the proposed online course. There is no minimum requirement for enrollment if the course is taken through summer school.
- When possible the student must obtain permission to take the course during the semester prior to enrollment in the class.
- In order to obtain permission, the student must submit a full syllabus of the course to the Department of Curriculum, Assessment and Instruction. This will be evaluated by district staff to ensure that it is comparable in standards and quality to courses of a similar nature offered within the district.
- Except in the case of dual enrollment above, the district will not pay for the cost of classes taken under these regulations.
- The district may set a fee to cover the costs of the testing proctor or mentor and administration of the course enrollments.
- The district will monitor final assessments and/or projects in the courses unless it is satisfied with and provided prior approval for the oversights and controls that the sponsoring institution has put in place.

Under all the options above:

- Students are allowed to work on their online courses during school time and using district computers under the revised acceptable use policies.
- Pass/fail grading options may be exercised under existing regulations.
- A student may receive a maximum of 1 course credit for online courses during each school year or 1 course credit per semester with prior counselor approval. (This limit does not include credits taken during summer school.)
- Credit earned upon receipt of an official transcript shall be placed on the student's GPPSS transcript.

THE GROSSE POINTE BOARD OF EDUCATION

Brendan Walsh	President
Alice Kosinski	Vice-President
Ahmed Ismail	Secretary
Fred Minturn	Treasurer
Joan Dindoffer	Trustee
Judy Gafa	Trustee
Charles Sabino	Trustee

CENTRAL OFFICE ADMINISTRATION

Dr. C. Suzanne Klein	Superintendent	432-3010
Dr. Susan D. Allan	Assistant Superintendent, Curriculum, Assessment, and Instruction	432-3042
Mr. Christian J. Fenton	Assistant Superintendent, Business Affairs	432-3080
Ms. Susan Banner	Interim Co-Director, Student Services	432-3803
Ms. Rose Mendola	Interim Co-Director, Student Services	432-3854
Mr. Lee Warras	Executive Director, Assessment and Technology	432-3061
Mr. Thomas Harwood	Assistant Superintendent, Human Resources	432-3020

HIGH SCHOOL ADMINISTRATION

GROSSE POINTE NORTH HIGH SCHOOL
707 Vernier Road, G.P. Woods 48236
PHONE: 432-3200 FAX 432-3202

Mr. Timothy Bearden, Principal NORTH, 432-3204
Ms. Carmen Kennedy, Asst. Principal-Athletics, 432-3216
Mr. Tom Beach, Asst. Principal, 432-3213
Mr. Matthew Outlaw, Asst. Principal, 432-3211

GROSSE POINTE SOUTH HIGH SCHOOL
11 Grosse Pointe Blvd., G.P. Farms 48236
PHONE: 432-3500 FAX 432-3502

Mr. Al Diver, Principal SOUTH, 432-3504
Mr. Brandon Slone, Asst. Principal-Athletics, 432-3540
Ms. Joan Murphy, Asst. Principal, 432-3513
Ms. Michele Yankee, Asst. Principal, 432-3511

HIGH SCHOOL DEPARTMENT CHAIRS

ART	Mr. Rob Thies - North, 432-57141 (6-12)	Mrs. Barbara Gruenwald - South, 432-5402 (6-12)
BUSINESS ED.	Ms. Sharon Schmidt - North, 432-5656	Ms. Paulette Griesbaum - South, 432-5398
ENGLISH	Mr. Geoffrey Young - North, 432-5761	Mr. Harry Campion - South, 432-3686
LIBRARY	Ms. Kate Murray - North, 432-5826	North and South (K-12)
LIFESKILLS/HEALTH	Mrs. Karen Villegas - 432-3243	North and South (6-12)
MATHEMATICS	Mrs. Phyllis Henry - South, 432-3564	Mr. Dave Martin - South, 432-3566
MODERN AND CLASSICAL LANG.	Ms. J. Roman/Mr. G. Johnson - North, 432-3311	Mrs. Bettina Amato - South, 432-3670
MUSIC	Ms. Madeline Salonen - North, 432-3333 (K-12)	North and South (K-12)
PHYSICAL ED.	Ms. Mary Jane Failla/Mr. John Donnellon	North and South (6-12)
SCIENCE	Mrs. Ann Starinsky/Ms. Gina Francis	Mr. Frank Martin - South, 432-3628
SOCIAL STUDIES	Mrs. A. Herrold/Mrs. S. Speirs - North, 432-3411	Mr. David Rayburn - South, 432-5819
TECH ED.	Ms. Terri Steimer - North, 432-4622	North and South (9-12)
COUNSELORS:	Ms. Jeanne Dolson - 432-5675	Mr. Eric Burson - South, (Co-Chair), 432-3524
	Mrs. Barbara Skelly - North (Chair), 432-3221	Mrs. Anne Mabley - South, (Co-Chair), 432-3526
	Ms. Joyce Lyjack - North, 432-3223	Ms. Catherine Lewis - South, 432-3523
	Ms. Milissa Pierce - North, 432-3226	Ms. Elizabeth Walsh-Sahutske - South, 432-3522
	Ms. Jill Davenport - North, 432-3225	Mr. Troy Glasser - South, 432-3521
	Mr. Brian White - North, 432-3222	

TEST-OUT PROVISION

In December, 1993, state legislation was passed which amended the School Code to provide a "test out" option for high school students who wish to exhibit mastery of a course in which they are not already enrolled, without enrolling and actually taking the course. The test-out option does not apply to courses required by the state for high school graduation and district courses which are lower in sequence to those already passed. A student may attempt a test-out in a course that he/she previously failed (or received a "Drop F") as long as he/she has not subsequently passed a course higher in sequence than the test-out course. Students who choose to "test out" must apply in writing on a Test-Out form application, with a signed parent/guardian consent, to the high school principal following the specific timeline established annually for this purpose. (Completed application forms for both year and semester course test-outs are usually submitted to the principal in February each year.) The application form is available to students in the high school counseling center.

A schedule for test-out assessments is given to the student by June 1 with early administration of assessments scheduled between June 15-30 and late administration, August 1-15. Results are reported in September through the high school counseling department.

Students may be required to demonstrate their mastery of a course in a number of ways including making oral presentations, presenting a collection of assigned work, doing a project, or preparing a report on independent research. Credit toward graduation will be granted for a C+ or better in the mastery demonstration. However, testing out of a course is not the same thing as taking a course; no grade or honor points are earned. A "pass" grade will be noted on the student's transcript. If demonstrated mastery is not achieved, no record will be retained of a student's test-out attempt. Following state statute guidelines, students may attempt to earn test-out credit for foreign languages not currently offered in The Grosse Pointe Public Schools. This option is limited to one foreign language test-out of a language not offered in the district's curriculum during a student's academic year and two foreign language test-outs for a language not offered in the district's curriculum during a student's high school career.

If a student who is preparing for a test-out wants a course syllabus, textbook or other course materials, he/she must request these materials from the department chair of the test-out subject as soon as possible after submitting an application.

DUAL ENROLLMENT

Under Section 21b of the State school Aid Act and Public Act 160 of 1991, a student in grades 11 or 12 may attend his or her high school and also concurrently enroll in a public or private Michigan postsecondary institution if the student has taken all High School Michigan Merit Exams prior to applying for Dual Enrollment (ACT, Work Keys tests in English and Math, and Michigan Tests in math, science and social studies) and has earned at least an endorsement on the test in the area of the postsecondary study. Dual enrollment postsecondary study is limited to academic or career and technical preparation courses and does not include courses about a hobby, craft, or physical education. Students will be eligible to enroll in courses in content areas for which there is no endorsement (i.e., computer science, foreign language, psychology, etc.) as long as they have taken all of the MME high school tests. Credit for dual enrollment may apply toward graduation requirements. The state legislation provides for limited reimbursement (based on the state portion of the district's annual foundation allowance) to eligible students to cover prorated tuition, course fees, material fees and registration fees, but not books, transportation, parking fees or activity fees. Interested students should apply to the school principal or designee.

Students who meet the criteria and elect dual enrollment may, in consultation with parents and counselors, make decisions about how the course will appear on their transcripts (i.e. grade or pass/fail) and whether it will count for graduation credit and/or the fulfillment of a high school requirement.

MICHIGAN PROMISE SCHOLARSHIP PROGRAM

The Michigan Promise scholarship provides up to \$4,000 to high school graduates for successfully completing two years of postsecondary education beginning with the high school graduating class of 2007. All students who took the state assessment test (Michigan Merit Exam MME) have the opportunity to receive up to \$4,000 if they meet all eligibility requirements. Students who receive qualifying scores (Level II or above) in each of the required components on the test are eligible to receive up to half of their scholarship in the first two years (in installments of \$1,000 in the first year and \$1,000 in the second year of enrollment).

Application

To claim the Michigan Promise scholarship installment payment for use in the 2009-10 academic year, an eligible student must certify his/her scholarship by November 15 of their college freshman academic year. To claim up to a \$2,000 final payment (for those who received installment payments), or to claim the full \$4,000 for those who did not qualify for the installment payments, students should visit the Web site at www.Michigan.gov/promise for an application form.

STATE-ENDORSED TRANSCRIPTS

Students may earn state endorsements by passing the Michigan Merit Examination (MME) Test in one or more of the following areas: Mathematics, Science, Reading, Writing, and Social Studies.

A high school student who receives a Level 4 – Not Endorsed or a Level 3 – Endorsed at Basic Level on the MME in Reading, Writing, Math, Science, or Social Studies may appeal the score ONLY IF the student or his/her parent believes an error in scoring has occurred. The appeal must be filed in writing with the school principal (or designee) within 30 working days of the date that MME reports are mailed home. Forms may be obtained from the counseling office. The school principal (or designee) signs the form and sends it to the MME Office in Lansing. No appeals may be phoned in or faxed. Students awaiting the results of an appeal should retest if the opportunity to do so occurs during the waiting period. The results of an appeal may not be appealed. The State of Michigan no longer charges a fee for re-scoring a high school test.

ANNUAL NOTIFICATION OF PARENT AND STUDENT RIGHTS RELATED TO SCHOOL RECORDS

In accordance with the provisions of the Family and Educational Privacy Rights Act of 1974, eligible persons, i.e. students eighteen years of age or older or the parents or guardians of students under the age of eighteen, have the right to examine the official records of the school district which are directly related to that student. Specifically this Act mandates the following:

- 1) The right to have no records released to non-eligible agencies, institutions, or persons without prior consent.
- 2) The right to be informed of the release of records to all eligible agencies, institutions, or persons.
- 3) The right to challenge at any time the accuracy and fairness of student records.
- 4) The right of due process in matters related to student records.

Information concerning these rights is available in the Student Records Policy (Policy JR) and accompanying GPPSS Administrative Regulations.

ANNUAL NOTIFICATION OF THE FAMILY AND EDUCATIONAL PRIVACY RIGHTS ACT

In accordance with the provisions of the Family and Educational Privacy Rights Act of 1974, The Grosse Pointe Public School System is required to give public notice of the type of information related to students that it considers “directory information” and thus available to the general public. Directory information includes the following data about the student: name, address, telephone number, picture, parent or guardian, date and place of birth, major field of study, weight, height, participation in and eligibility for officially recognized activities and sports, dates of attendance or grade placement, honors and awards received, and the most recent educational agency or school attended by the student. It is also possible that photographs or videotape of students may be broadcast or released to newspapers, web sites, and other media sources in connection with school activities, awards, and honors. In addition, two federal laws require local educational agencies (LEAs) receiving assistance under the Elementary and Secondary Education Act of 1965 (ESEA) to provide military recruiters, upon request, with three directory information categories – names, addresses and telephone listings – unless parents have advised the LEA that they do not want their student’s information disclosed without their prior written consent. If students or parents do not want to have directory information, photographs, or videotaped pictures made available to the public, with the exception of random group pictures such as at a sporting event from which it would be difficult to exclude specific pictures, they may have the directory information and photographs excluded by sending a notice to the Department of Support Services, The Grosse Pointe Public School System, 389 St. Clair, Grosse Pointe, MI 48230.

ANNUAL PARENT NOTIFICATION

State law now requires The Grosse Pointe Public School System to send the Michigan Department of Education, online, personally identifiable information about each of our students including name, address, telephone number, date of birth, grade level, teachers (K-3), attendance record, and certain disciplinary records.

The Michigan Department of Education has compiled this information into a single state data base in order to better evaluate and audit state and/or federally funded programs, enforce federal regulations, and measure public school performance. To protect privacy, the Department may not disclose confidential student information to other persons except for strictly approved research purposes.

Career Pathways

The courses that students choose in high school build the foundation for career and college decision-making. Career Pathways encourage students to explore careers, identify a possible direction, or pathway, to create opportunities for the future. If students discover that a particular pathway is not what they wanted, they are encouraged to explore other opportunities or pathways. High school is a good time to begin the process of career exploration so that as students reach graduation, they will be more prepared.

With the assistance of our counseling staff, students will be generating an Educational Development Plan (EDP). This EDP will serve as a guide as students plan their four years in high school as well as college and/or occupations and careers after high school graduation.

The following pages provide information on the six Career Pathways. Students and parents should review these Pathways before generating the Educational Development Plan (EDP). Students can also use these ideas to revise or change their direction. You can find out more information about the six pathways by visiting www.careercruising.com.

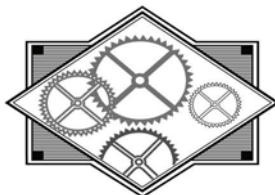
Arts and Communication



Business, Management, Marketing and Technology



Engineering/Manufacturing and Industrial Technology



Health Sciences

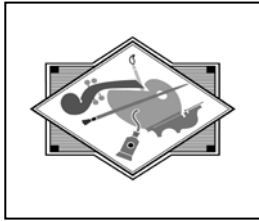


Human Services



Natural Resources and Agriscience





Arts and Communication

What is the Arts and Communication Pathway?

The Arts and Communication Pathway refers to Career fields and programs of study that are related to:

- Visual Arts
- Media Arts
- Literary Arts
- Performing Arts
- Humanities

Arts and Communication is a broad field and includes programs such as: Creative writing, film production, journalism, education, radio and television, broadcasting, advertising and public relations.

Is this Pathway for me?

People who are successful in Arts and Communication occupations possess some of the following traits:

- Work well with people
- Can work alone
- Have artistic and creative abilities
- Enjoy using computers and technology
- Are often imaginative and entrepreneurial
- Have effective communication skills
- Want to be part of a team
- Take on a leadership role on projects
- Have good hand/eye coordination

What Careers are in the Arts and Communication Pathway?

Sample careers in the Arts and Communication pathway include:

High School Diploma

Floral Designer
 Hair Stylist/Cosmetologist
 Sign Painter
 Sign Painter

Associate's Degree (2 years of study)

Artist
 Graphic Design Technician
 Commercial Artist
 Fashion Merchandising
 Photographer
 Jeweler
 Digital video technician

Bachelor's Degree and Above (4 years or more of study)

Actor
 Advertising
 Commercial Artist
 Journalist
 Photographer
 Musician/Composer
 TV Production Director
 Animator
 Game designer
 Fashion Designer
 Art/Creative Director
 Product/Industrial Designer
 Architect
 Art Educator



Arts and Communication Pathway

Typical Four-Year Plan

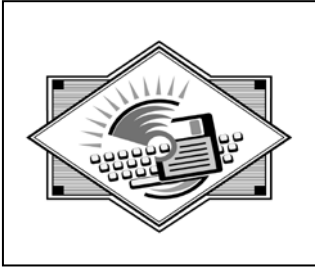
GRADE 9		GRADE 10		GRADE 11		GRADE 12	
COURSE	CREDIT	COURSE	CREDIT	COURSE	CREDIT	COURSE	CREDIT
English	1	English	1	English	1	English	1
Mathematics	1	Mathematics	1	Mathematics	1	Mathematics	1
Science	1	Science	1	Science	1	Science	1
Social Studies	1	Social Studies	1	Social Studies	1	Social Studies	1
PE	1	Health	.5				

RECOMMENDED: 4 years of arts; 2-4 years of Foreign Language

Graduation requirements also include: .5 credit in Computers, 1 credit in the Arts (combination of Fine and Practical Arts)

POSSIBLE ELECTIVES:

Acting	Acting	Acting	Acting
Concepts & Materials in Art	Communication Design (Advertising)	Communication Design (Advertising)	Communication Design (Advertising)
Art History	Art Concepts & Materials	Art Concepts & Materials	Art Concepts & Materials
Choir	Art History	Art History	Art History
Dance	Choir	Career Technical Programs	Career Technical Programs
Debate	Computer Graphics	Choir	Choir
Instrumental Music	Crafts	Computer Graphics	Computer Graphics
Jazz Lab	Dance	Crafts	Crafts
Journalism	Debate	Dance	Dance
Music Appreciation	Drawing /Painting	Drawing /Painting	Drawing /Painting
Music Technology	Instrumental Music	Instrumental Music	Instrumental Music
Music Theory	Jazz Lab	Jazz Lab	Jazz Lab
Photography	Journalism	Journalism	Journalism
Theatre Production	Music Technology	Music Technology	Music Technology
TV Production	Music Theory	Music Theory	Music Theory
	Photography	Photography	Photography
	Theatre Production	Theatre Production	Theatre Production
	TV Production	TV Production	TV Production



Business, Management, Marketing and Technology

What is the Business, Management, Marketing and Technology Pathway?

The Business and Management Pathway refers to career fields and programs of study that are related to the business environment and includes fields such as:

- Sales and Marketing
- Economics
- Finance
- Hospitality and Tourism
- Computer Information Systems
- Administration and Management

Is this Pathway for me?

People who are successful in Business, Management, Marketing and Technology occupations possess some of the following traits:

- Work well with people
- Are well organized and able to meet deadlines
- Enjoy using computers and technology
- Can convince others to follow their lead
- Enjoy work that is detailed
- Work well under pressure
- Have effective communication skills
- Want to be part of a team
- Have effective decision-making skills
- Enjoy competition

What Careers are in the Business, Management, Marketing and Technology Pathway?

Sample careers in the Arts and Communication pathway include:

High School Diploma

Bank Teller
 Bookkeeper
 Computer Support Technician
 Food Service
 Insurance Agent
 Retail Sales
 Secretary
 Travel Agent

Associate's Degree (2 years of study)

Administrative Assistant
 Building Manager
 Chef
 Court Reporter
 Estimator
 Financial Management
 Hotel Management
 Medical Transcriptionist

Bachelor's Degree and Above (4 years or more of study)

Account Manager
 Accountant
 Actuary
 Budget Analyst
 Market Researcher
 Public Relations
 Stock Broker
 Systems Analyst



Business, Management, Marketing and Technology Pathway

Typical Four-Year Plan

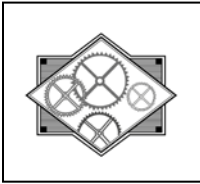
GRADE 9		GRADE 10		GRADE 11		GRADE 12	
COURSE	CREDIT	COURSE	CREDIT	COURSE	CREDIT	COURSE	CREDIT
English	1	English	1	English	1	English	1
Mathematics	1	Mathematics	1	Mathematics	1	Mathematics	1
Science	1	Science	1	Science	1	Science	1
Social Studies	1	Social Studies	1	Social Studies	1	Social Studies	1
PE	1	Health	.5				

RECOMMENDED: 2-4 years of Foreign Language

Graduation requirements also include: .5 credit in Computers and 1 credit in the Arts.

POSSIBLE ELECTIVES:

Business Explorations	Accounting	Accounting	Accounting
Economics	Advertising	Advertising	Advertising
Journalism I	Business Explorations	Business Administration	Business Administration
Marketing	Business Law	Business Finance	Business Finance
TV Production	Commercial Design	Business Law	Business Law
Word Processing	Computer Graphics	Career Technical Programs	Business Management
	Construction Technology	Commercial Design	Career Technical Programs
	Economics	Computer Graphics	Commercial Design
	Journalism	Computer Programming	Computer Graphics
	Small Business Entrepreneurship	Construction Technology	Computer Programming
	Sports and Entertainment Marketing	Economics	Construction Technology
	Marketing	Journalism	Cooperative Education
	TV Production	Small Business Entrepreneurship	Dual Enrollment
	Word Processing	Sports and Entertainment Marketing	Economics
	Yearbook	Marketing	Journalism
		TV Production	Small Business Entrepreneurship
		Word Processing	Sports and Entertainment Marketing
		Yearbook	Marketing
			TV Production
			Word Processing
			Yearbook



Engineering/Manufacturing and Industrial Technology

What is the Engineering/Manufacturing and Industrial Technology Pathway?

Careers in this pathway are related to technologies necessary to design, install, and maintain physical systems and includes such fields as:

- Architecture
- Manufacturing and Technology
- Drafting
- Mechanics and Repair
- Engineering
- Production and Construction

Is this Pathway for me?

People who are successful in Engineering and Industrial Occupations

- Think and solve problems in a logical manner
- Have good hand/eye coordination
- Enjoy work that is detailed
- Possess the art of persuasion
- Like to take things apart and put them together
- Are good at math and science
- Are curious about the way things work
- Can follow detailed diagrams

16

What Careers are in the Engineering/Manufacturing, Industrial Technology Pathway?

Sample careers in the Arts and Communication pathway include:

High School Diploma

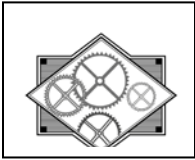
Auto Body Technician
 Carpenter
 Climate Control Mechanic
 Computer Repair Technician
 Machine Tool Setter
 Roofer
 Robot Technician
 Welder

Associate's Degree (2 years of study)

Auto Mechanic
 Chemical Technician
 Computer-Aided Designer
 Construction Inspector
 HVAC Technician
 Industrial Electronics Technician
 Manufacturers' Representative
 Pipe Fitter and Plumber
 Surveyor Technician

Bachelor's Degree and Above (4 years or more of study)

Architect
 Automotive Engineer
 Chemical Engineer
 Computer Systems Analyst
 Computer Programmer
 Construction Management
 Mechanical Engineer
 Surveyor



Engineering/Manufacturing and Industrial Technology Pathway

Typical Four-Year Plan

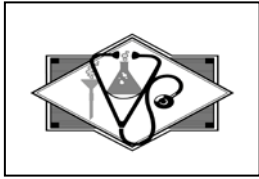
GRADE 9		GRADE 10		GRADE 11		GRADE 12	
COURSE	CREDIT	COURSE	CREDIT	COURSE	CREDIT	COURSE	CREDIT
English	1	English	1	English	1	English	1
Mathematics	1	Mathematics	1	Mathematics	1	Mathematics	1
Science	1	Science	1	Science	1	Science	1
Social Studies	1	Social Studies	1	Social Studies	1	Social Studies	1
PE	1	Health	.5				

RECOMMENDED: 2-4 years of Foreign Language

Graduation requirements also include: .5 credit in Computers and 1 credit in the Arts.

POSSIBLE ELECTIVES:

Business Explorations	Accounting	Accounting	Accounting
Computer Programming	Automotive Technology	Automotive Technology	Automotive Technology
Engineering Graphics I	Business Explorations	Automotive Vocational	Automotive Vocational
Small Engine Repair	Computer Graphics	Business Administration	Business Administration
Survey of Engineering Graphics	Computer Programming	Business Law	Business Law
Technology Applications	Construction Technology	CAD Engineering	CAD Engineering
	Engineering Graphics	Career/Technical Programs	Career/Technical Programs
	Intro to Basic Car Care	Computer Graphics	Computer Graphics
	Robotics	Computer Programming	Computer Programming
	Small Engine Repair	Construction Technology	Construction Technology
	Survey of Engineering Graphics	Engineering Graphics	Cooperative Education
	Technology Applications	Intro to Basic Car Care	Dual Enrollment
		Robotics	Engineering Graphics
		Small Engine Repair	Intro to Basic Car Care
		Survey of Engineering Graphics	Intro to Robotics
		Technology Applications	Small Engine Repair
			Survey of Engineering Graphics
			Technology Applications



Health Sciences

What is the Health Sciences Pathway?

The Health Sciences Pathways refers to career fields and programs of study that are related to the promotion of health, as well as the treatment of injuries, conditions and diseases. It includes occupational fields such as:

- Medicine
- Dentistry
- Rehabilitation
- Fitness
- Nursing
- Nutrition
- Therapy
- Hygiene

Is this Pathway for me?

People who are successful in Health Sciences occupations possess some of the following traits:

- Work well with and enjoy helping people
- Are well organized and keep accurate records
- Work reasonably well under stress and crisis
- Like being given responsibility
- Are willing to learn and use new technology
- Have an interest in how the human body works
- Enjoy and do well in science and math classes
- Like working with their hands
- Understand and follow directions well
- Have effective decision-making skills
- Can follow established procedures

What Careers are in the Health Sciences Pathway?

Sample careers in the Arts and Communication pathway include:

High School Diploma

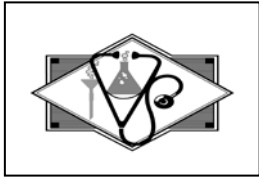
Clinical Assistant
Dental Assistant
Dietary Aide
Home Health Aide
Medical Office Assistant
Nurses Aide
Orderly

Associate's Degree (2 years of study)

Emergency Medical Technician
Industrial Hygiene
Licensed Practical Nurse
Medical Technician
Pharmacy Technician
Occupational Therapist Assistant
Surgical Technician
Veterinary Assistant

Bachelor's Degree and Above (4 years or more of study)

Chemist
Chiropractor
Dentist
Nursing
Pharmacist
Physical Therapist
Physician
Veterinarian



Health Sciences Pathway

Typical Four-Year Plan

GRADE 9		GRADE 10		GRADE 11		GRADE 12	
COURSE	CREDIT	COURSE	CREDIT	COURSE	CREDIT	COURSE	CREDIT
English	1	English	1	English	1	English	1
Mathematics	1	Mathematics	1	Mathematics	1	Mathematics	1
Science	1	Science	1	Science	1	Science	1
Social Studies	1	Social Studies	1	Social Studies	1	Social Studies	1
PE	1	Health	.5				

RECOMMENDED: 2-4 years of Foreign Language

Graduation requirements also include: .5 credit in Computer and 1 credit in the Arts.

POSSIBLE ELECTIVES:

<ul style="list-style-type: none"> Food for Fitness 	<ul style="list-style-type: none"> Child Development/Parenting Commercial Foods Food for Fitness Life Guard Training and CPR Cert. Personal Fitness Photography 	<ul style="list-style-type: none"> Career Technical Programs Child Care Child Development/Parenting Commercial Foods Effective Living Food for Fitness Independent Living Life Guard Training and CPR Cert. Microbiology Personal Fitness Psychology Sociology 	<ul style="list-style-type: none"> Applied Medical Research With Clinical Investigations Career Technical Programs Child Care Child Development/Parenting Commercial Foods Cooperative Education Dual Enrollment Effective Living Food for Fitness Independent Living Life Guard Training and CPR Cert. Medical Aides Co-op Microbiology Physiology Personal Fitness Psychology Sociology
--	---	--	--



Human Services

What is the Human Services Pathway?

The Human Services and Public Administration Pathway refers to career fields and programs of study that are related to economic systems, political systems, social services, and personal services. This is a broad field and includes programs such as:

- Education
- Law & Legal Studies
- Law Enforcement
- Child/Family Services
- Mental Health
- Religion

Is this Pathway for me?

People who are successful in the Human Services occupations possess some of the following traits:

- Enjoy helping people
- Work well in groups or teams
- Value the ability to make a difference with their work
- Possess good speaking and presentation skills
- Enjoy learning about the way people behave
- Enjoy speaking out for a cause
- Work reasonably well under pressure
- Enjoy solving problems
- Follow directions well
- Have effective decision-making skills

What Careers are in the Human Services Pathway?

Sample careers in the Arts and Communication pathway include:

High School Diploma

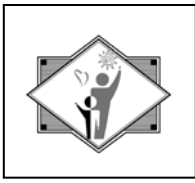
Beauty Consultant
 Child Care Worker
 Corrections Officer
 Flight Attendant
 Sign Painter
 Food Service
 Mental Health Aide
 Recreational/Support Services

Associate's Degree (2 years of study)

Civil Services
 Cosmetologist Management
 Crime Laboratory Technician
 Culinary Arts/Hospitality
 Law Enforcement
 Legal Assistant
 Security Administration
 Building Manager

Bachelor's Degree and Above (4 years or more of study)

Anthropologist
 Counselor
 Criminal Justice
 Lawyer
 Lobbyist
 Psychologist
 Social Worker
 Teacher



Human Services Pathway

Typical Four-Year Plan

GRADE 9		GRADE 10		GRADE 11		GRADE 12	
COURSE	CREDIT	COURSE	CREDIT	COURSE	CREDIT	COURSE	CREDIT
English	1	English	1	English	1	English	1
Mathematics	1	Mathematics	1	Mathematics	1	Mathematics	1
Science	1	Science	1	Science	1	Science	1
Social Studies	1	Social Studies	1	Social Studies	1	Social Studies	1
PE	1	Health	.5				

RECOMMENDED: 2-4 years of Foreign Language

Graduation requirements also include: .5 credit in Computers and 1 credit in the Arts.

POSSIBLE ELECTIVES:

Art	Anthropology	American Legal Systems	American Legal Systems
Contemporary Dance	Art	Anthropology	Anthropology
Fashion and Fabrics	Child Development	Art	Art
Food for Fitness	Commercial Foods	Business Law	Business Law
TV Production	Communication Design	Career Technical Programs	Career Technical Programs
	Contemporary Dance	Child Care	Child Care
	Fashion and Fabrics	Child Development	Child Development
	Food for Fitness	Commercial Foods	Commercial Foods
	Interior Design	Communication Design	Communication Design
	Psychology	Contemporary Dance	Contemporary Dance
	TV Production	Economics	Cooperative Education
		Fashion and Fabrics	Dual Enrollment
		Food for Fitness	Economics
		History	Fashion and Fabrics
		Interior Design	Food for Fitness
		Psychology	History
		Sociology	Interior Design
		Sports/Entertainment Marketing	Psychology
		TV Production	Sociology
			Sports/Entertainment Marketing
			TV Production



Natural Resources and Agriscience

What is the Natural Resources and Agriscience Pathway?

The Natural Resources Pathways refers to career fields and programs of study that are related to the environment and natural resources and includes fields such as:

- Agriculture
- Earth Science
- Environmental Science
- Fisheries Management
- Forestry
- Horticulture
- Wildlife Management

Is this Pathway for me?

People who are successful in Natural Resources occupations possess some of the following traits:

- Work well on their own or with a few people
- Like to study things and figure out how they work
- Like discovering how things grow and thrive
- Enjoy working outdoors and in nature
- Are willing to learn and use new technology
- Enjoy and do well in science and math classes
- Like working with their hands
- Enjoy physical activity

What Careers are in the Natural Resources and Agriscience Pathway?

Sample careers in the Arts and Communication pathway include:

High School Diploma

Animal Caretaker
Forestry Technician
Greenhouse/Nursery Assistant
Landscape Architect
Parks and Recreation Assistant

Associate's Degree (2 years of study)

Conservation Officer
Farm Manager
Golf Course Management
Landscape Design Assistant
Nursery Worker

Bachelor's Degree and Above (4 years or more of study)

Agricultural Engineer
Agriculture Extension Agent
Archaeologist
Botanist
Conservation Officer
Geologist
Horticulturist
Landscape Architect
Meteorologist



Natural Resources and Agriscience Pathway

Typical Four-Year Plan

GRADE 9		GRADE 10		GRADE 11		GRADE 12	
COURSE	CREDIT	COURSE	CREDIT	COURSE	CREDIT	COURSE	CREDIT
English	1	English	1	English	1	English	1
Mathematics	1	Mathematics	1	Mathematics	1	Mathematics	1
Science	1	Science	1	Science	1	Science	1
Social Studies	1	Social Studies	1	Social Studies	1	Social Studies	1
PE	1	Health	.5				

RECOMMENDED: 2-4 years of Foreign Language

Graduation requirements also include: .5 credit in Computers and 1 credit in the Arts.

POSSIBLE ELECTIVES:

Art	Accounting	Accounting	Accounting
Business Explorations	Art	Art	Art
Computer Programming	Anthropology	Anthropology	Anthropology
Engineering Graphics	Astronomy	Astronomy	Astronomy
Food for Fitness	Business Explorations	Business Administration	Business Administration
Small Engine Repair	Computer Programming	Business Explorations	Business Explorations
	Construction Technology	Business Law	Business Law
	Environmental Science	CAD Engineering	CAD Engineering
	Photography	Career Technical Programs	Career Technical Programs
		Environmental Science	Cooperative Education
		Geology	Dual Enrollment
		Microbiology	Environmental Science
		Photography	Geology
			Microbiology
			Photography



- Danielle Y.

PRESIDENT’S COUNCIL UNIVERSITY ADMISSION REQUIREMENTS

The Presidents Council of the State Universities of Michigan recommends that students add a minimum of 2 years of foreign language in addition to the Michigan Merit Curriculum. The Grosse Pointe Schools graduation requirement incorporates the Michigan Merit Curriculum. Individual universities have their own recommendations and guidelines which can usually be found on their websites. Parents and students are encouraged to seek out information early in the student’s education or from universities which may be of particular interest to them.

NCAA INITIAL - ELIGIBILITY CLEARINGHOUSE

There are specific course requirements for students who are considering participating in intercollegiate athletics (Division I or II) at a college or university. Students for whom this may be an option should consult with their counselor **each year** and obtain the list of NCAA approved courses for their school. It is very important that students alert their counselors of their interest and complete all the steps necessary to ensure their eligibility.

Students who may choose to participate in NCAA sports while in college should go to their counseling office no later than the end of their junior year and pick up a copy of the booklet entitled “Making Sure You Are Eligible to Participate in College Sports”. This is an NCAA publication.

Students may register with the NCAA Eligibility Clearinghouse online at www.ncaa.org/eligibility/cbsa/. Students interested in playing college interscholastic athletics are encouraged to consult the website no later than the end of their junior year and register with NCAA after completing their junior year.

ADVANCED PLACEMENT INTERNATIONAL DIPLOMA: INFORMATION FOR STUDENTS AND PARENTS

The College Board, sponsor of the Advanced Placement examinations, offers an Advanced Placement International Diploma that students may obtain by meeting certain standards.

The Advanced Placement International Diploma (APID) is a globally recognized certificate for students with an international outlook. The APID challenges a student to display exceptional achievement on AP exams across several disciplines and is recognized by many universities worldwide. (A list is available on the AP website at http://www.collegeboard.com/student/testing/ap/exgrd_intl.html.) To earn an APID, students must earn grades of three or higher on at least five AP exams in three of the following categories: Languages, Mathematics, Science, History, Social Sciences, Global Perspectives, and Arts. More detailed information can be found at the website noted above.

The APID is available to students attending secondary schools outside the United States and to U.S. residency students applying to universities outside the country. At the current time, to earn an APID, a student attending school within the United States must indicate on at least one AP exam answer sheet that the results should be sent to a university outside the United States. The student is not required to actually attend or apply to the university – just to submit scores.

Grosse Pointe Public Schools are considering developing a locally granted international diploma but, at this time, students may already qualify or be close to qualifying for the AP International Diploma by meeting the requirements and arranging to have their scores sent to a university outside the country.

GRADUATION REQUIREMENTS AND RELATED RULES

Candidates for graduation must have earned a minimum of 21 units of approved credit and have been in a Grosse Pointe High School for at least the senior year. Special problems may be resolved by agreement between the Grosse Pointe principal and the principal of a student's previous school. Limited English proficient students should expect an additional year of study in order to complete all graduation requirements. Some modifications to the state requirements are allowed (indicated by an asterisk) under Personal Curriculum Plans. The Grosse Pointe Schools graduation requirements incorporate the full Michigan Merit Curriculum.

Credits Needed For Graduation:

Graduation Requirements	Class of 2010	Class of 2011 and Beyond
English	4	4
▶ Freshman English	1	1
▶ American Literature and Composition	1	1
▶ Electives	2	2
Modern and Classical Language	0	0
	(Two-year requirement begins with class of 2016)	
Health Education	.5	.5*
Mathematics	3	4*
▶ Algebra	1	1
▶ Geometry	1	1
▶ Algebra II		1
▶ Math or math related course in senior year		1
Physical Education	1	1*
Science	3	3
	Strongly recommended in 9 th grade but one year must be taken by 10 th grade	
▶ Biology	1	1
▶ Chemistry or Physics	1	1
▶ One additional science	1	1
Social Studies	3	3*
▶ Government and Economics	1	1
	(See Program of Studies for listing of courses and course combinations)	
▶ U.S. History and Geography	1	1
▶ World History and Geography	1	1
Visual, Performing, or Applied Arts	.5	1*
Computers/Technology	Computer class or competency demonstration	.5
		Computer class or competency demonstration
<p>*Personal Curriculum Plan</p> <p><i>Only available for students beginning 10th grade in 2008/2009 and beyond</i></p>	<p>A plan developed by the parent(s), high school counselor, Principal or designee and agreed to by the parent(s) and superintendent or designee. It allows the following modifications:</p> <ul style="list-style-type: none"> ▶ Math may be modified if the student enters Career Tech after 2 credits of Math and completing at least the equivalent content of 1 semester of Algebra II or receiving 2 credits of algebra II over 2 years. ▶ Social Studies may be modified only after completing 2 credits including Government and Economics. The student may then complete the requirement with 1 additional credit of English, Math, Science, or Foreign Language. ▶ Health and Physical Education may be modified if the student completes 1 additional credit of English, Math, Science, or Foreign Language. ▶ Visual, Performing, or Applied Arts may be modified if the student completes 1 additional credit of English, Math, Science, or Foreign Language. 	

VISUAL, PERFORMING, AND APPLIED ARTS REQUIREMENTS

Applied arts: an inclusive term that refers to the application of design and aesthetics to the artistic/creative process and resulting in products of function and everyday use, such as ones that could be created through the Industrial Technology programs.

Performing arts: a broad category that includes dance, music, and theatre, recognizing that each of these encompasses a wide variety of forms and sub-disciplines.

Visual arts: a broad category that includes the creation of two and three dimensional works which are primarily visual in nature.

Qualifying Courses	
Actor's Workshop	Drawing and Painting I, II, III, IV
Advertising	Fashion and Fabrics I, II, III, IV
Art of Pastry and Dessert Preparation	Figure Drawing I, II
Aspects of Acting	Interior Design/Housing
Ceramics I, II, III, IV, V, VI	Jazz Lab
Choir – Advanced Mixed	Marketing I, II, III
Choir – Advanced Women	Music Theory I, II, III, IVAP
Choir – Beginning	*Music Through Technology I, II, III
Choir – Intermediate Mixed	Photography I, II, III
Communication Design I, II, III	Small Business Entrepreneurship
Computer Graphics I, II, III, IV	Sports and Entertainment Marketing
Concepts and Materials	Survey of Art History
Concert Band	Symphonic Band
Concert Orchestra	Symphonic Orchestra
Design With Fibers I, II	TV Production I, II, III, IV, V, VI
Design With Metals I, II, III, IV	Yearbook Production (NORTH)
Design With Sculpture I, II, III	

MATH RELATED COURSES

State law and district guidelines allow a student who has successfully completed Algebra I, Algebra II, and Geometry to select a math-related course in place of a math course for their fourth year math requirement. The courses listed below qualify as math-related courses.

Qualifying Courses	
Accounting I, II, III, IV	Business Finance
* AP Macroeconomics	* Honors Physics
* AP Microeconomics	Living on Your Own/Money Management
* AP Physics	* Physics

* Asterisked courses may be eligible to fulfill more than one graduation requirement but may not be actually counted in more than one category.

NOTE: Additional courses may be certified after the publication of the Program of Studies and students should check with their counselors for additional information.

COMPUTER COMPETENCY REQUIREMENT

The district requires that students demonstrate competency with basic computer skills before entering high school. Grade 8 students are given a test which assesses basic skill with word processing, spreadsheets, e-mail and online research. Those who do not demonstrate competency in each of these areas are given additional opportunities to learn these skills while in middle school through after school tutorials and/or summer school. Middle school students are given multiple opportunities to pass this computer competency test.

Students who enter the high school and have not demonstrated basic computer skill mastery are required to successfully take Keyboarding and Information Processing (#617) during their freshmen or sophomore year. This course is a requirement and satisfies the technology requirement for graduation.

Qualifying Courses	
Advanced Programming I, II, III	Engineering Graphics I, II, III, IV
Architecture I, II, III	Information Processing I, II
Beginning Programming	Keyboarding and Information Processing
Computer Aided Design (CAD) Engineering	Music Through Technology I, II, III*
Computer Applications	Survey of Engineering Graphics
Computer Graphics I, II, III, IV	

WEIGHTED GRADING FOR ADVANCED PLACEMENT COURSES

Grades and courses, which have the designation of Advanced Placement in their titles and follow the particular course content specified by the Educational Testing Service, are weighted with multiplier of 1.1 in determining student grade point. For the weighting to become permanent and apply to the final grade the student must take the AP exam. No courses other than AP courses have weighted grades. Courses with a weighted grade include:

AP Advanced Programming III	AP German IV
AP Biology	AP Italian IV
AP Calculus AB	AP Macroeconomics
AP Calculus BC	AP Microeconomics
AP Chemistry	AP Music Theory
AP Advanced Computer Programming	AP Physics
AP English: Language and Composition	AP Psychology
AP English: Literature and Composition	AP Spanish V
AP Environmental Science	AP U.S. Government and Politics
AP European History	AP U.S. History
AP French V	

EARLY COMPLETION OF HIGH SCHOOL

Students who wish to complete four years of high school in less than four years **MUST APPLY TO THE PRINCIPAL NO LATER THAN THE TIME OF SENIOR YEAR REGISTRATION** so that a program is designed for early high school completion that is in the student's best interest. Approval of the principal is required. An official diploma will not be issued or graduation ceremonies held until June.

CLASS RANKING STATUS

Class ranking is not reported by the Grosse Pointe Public School System.

GRADUATION WITH HONORS OR HIGHEST HONORS

Academic scholars are recognized at commencement ceremonies or other programs as members of the Academic Hall of Fame for graduating with a cumulative GPA of 4.0 or higher.

Seniors who have achieved a 4-year grade point average (GPA) of between 3.0 and 3.49 as of the end of the first semester of their Senior Year will have the words "Graduated With Honors" inscribed on the diploma.

Seniors with a cumulative grade point average of 3.5 and above at the end of the first semester will receive a diploma with the words "Graduated With Highest Honors."

A final determination of qualification for an honors diploma will be made at the end of the Senior Year. Any student who qualifies for an honors diploma on the basis of completion of the Senior Year may request such a designation after graduation from the high school administration.

ENROLLMENT AND GRADE LEVEL STATUS

Course enrollment requirement for all students in grades 9, 10, 11, and 12, except as noted, is a minimum of 6 credits. Exception: Seniors enrolled in a co-op program may take 5 credits. At the end of each year, a student's transcript must show evidence of a minimum of 6 credits attempted.

At the end of the school year, credits earned determine the grade level classification for the beginning of the next school year.

<u>Grade Classification</u>	<u>Credits Earned</u>
10	At least 4 credits have been earned
11	At least 9 credits have been earned
12	At least 15 credits have been earned

CREDIT DESIGNATION

Units are printed on report cards and Credits are listed in the school district's curriculum guide. The equivalents are:

1.0 unit	=	1 credit	=	year course (two semesters)
.5 unit	=	.5 credit	=	semester course
21.0 units	=	21.0 Credits	=	graduation requirement

SUMMER SCHOOL OPPORTUNITIES

Numerous summer school opportunities for secondary students are offered for academic credit, enrichment, and skills strengthening. In recent years summer school has changed in significant ways. High school students may continue to make up a failing grade or improve a grade by retaking a course. Some classes may be taken for first time credit. Courses of Independent Study are available through summer school in exceptional circumstances with the appropriate approvals. In addition, the summer school cooperates with the Michigan Virtual High School to provide a number of online courses for students.

Recent courses that have been offered in summer school have included the following: Freshman English, Algebra, Geometry, American Government and Economics, U.S. History, American Literature, Photoshop, and Health. Other courses may be offered, but all are dependent on sufficient enrollment to run.

A Summer school brochure is provided in early spring (www.gpschools.org). Brochures are also available in school offices and counseling centers. Registration opens in late spring. Classes will be held in one of the district's high schools.

Summer school classes for high school students run Monday – Thursday and each class runs 2.75 hours daily. Students should discuss summer school early with counselors if they are considering enrolling.

**The regular five week GPPSS summer school session will tentatively take place
from July 6 – August 13, 2009**

ART

Ceramics I, II, III, IV, V, VI
Communication Design I, II, III
Computer Graphics I, II, III, IV
Concepts and Materials In Art
Design With Fibers I, II
Design With Metals I, II, III, IV

Design With Sculpture I, II, III, IV
Drawing and Painting I, II, III, IV
Figure Drawing I, II, III, IV
Photography I, II, III
Survey of Art History

700 – SURVEY OF ART HISTORY

**Visual, Performing and Applied Art Credit
.5 CREDIT**

This semester course is intended to give students an overview of art from ancient to modern times and focuses primarily on art of the Western hemisphere. The survey covers the fields of painting, sculpture, architecture, and decorative arts, showing them to be visible expressions of the eras that produced them. The course is lecture and discussion oriented, utilizing a textbook, films, slides, actual art work, and hands-on studio experiences. Field trips and visiting artists are scheduled when possible. This course can be excellent preparation for students planning to enter college.

701 – CONCEPTS AND MATERIALS IN ART

1 CREDIT

This course is designed to serve as a foundation for the study of art in high school and is usually a prerequisite for most other high school art courses. It is intended for all students, whether they are interested in art as a possible career or their formal experience in art will end with this single course. The essential components of good composition are stressed throughout the course as are creative thinking, visual literacy and problem solving. Students work in the areas of design, drawing, painting, ceramics or sculpture, mixed media, printmaking, and fibers or metals. Art history, criticism, and aesthetics are incorporated. A student who has demonstrated superior ability in art as well as a strong desire to learn may submit a portfolio of original work to the high school art teacher for a waiver of this introductory course.

705 – CERAMICS I

Prerequisite: Concepts and Materials in Art

706 – CERAMICS II

Prerequisite: Ceramics I

707 – CERAMICS III

Prerequisite: Ceramics II

708 – CERAMICS IV

Prerequisite: Ceramics III

709 – CERAMICS V

Prerequisite: Ceramics IV

710 – CERAMICS VI

Prerequisite: Ceramics V

**Visual, Performing and Applied Art Credit
.5 CREDIT**

Offered each semester

Using various methods of construction including the potter's wheel, coil, slab, mold making, and sculpting, students create ceramic pieces such as covered jars, mugs, and bowls as well as non-functional wheel forms. Students will create ceramic sculpture in both animal and human forms, realistically and abstractly. Students learn to alter their work in ways that reflect individual ideas and personality. Ceramics from art history are viewed and critical and aesthetic perspectives are discussed. A wide range of glazes, oxides, and stains is available to students.

In Ceramics II, III, IV, V, and VI, students mix glazes and explore alternate surface treatments and firing methods while working with stoneware and sometimes, porcelain clay. They learn "Raku," the Japanese pottery technique that emphasizes spontaneity and "controlled accidents" in ceramic work, and gain experience with kiln loading and firing, using electricity, gas, sawdust, and wood. Advanced students develop work suitable for portfolio preparation.

ART (continued)

711 – DRAWING and PAINTING I	Prerequisite: Concepts and Materials in Art
712 – DRAWING and PAINTING II	Prerequisite: Drawing and Painting I
713 – DRAWING and PAINTING III	Prerequisite: Drawing and Painting II
714 – DRAWING and PAINTING IV	Prerequisite: Drawing and Painting III

**Visual, Performing and Applied Art Credit
1 CREDIT**

Students work on two dimensional surfaces with a variety of drawing and painting materials: pencil, charcoal, pastels, colored pencils, conte, crayon, ink, mixed media, water colors, and acrylics. Drawing and Painting I will emphasize observation and building drawing skills, but provides students with an opportunity for personal and creative statements. In Drawing and Painting III and IV, students may select subjects and materials for their independent projects while developing a more personal approach in their art work. Students are encouraged to prepare portfolios of their best work for art school application, scholarship application, job interview, and personal collection.

715 – COMPUTER GRAPHICS I	Prerequisite: Concepts and Materials in Art <i>or</i> approval of department chair
----------------------------------	--

.5 CREDIT

This semester course is intended for all students interested in doing artwork on computers. Computer literacy is helpful but not required. Draw-and-paint systems based on the IBM-PC will be explored. Students may also use word processing, presentation, and desktop publishing programs to combine their graphic images with text. Creating and importing images with the electronic scanner and the video or electronic camera will be introduced. Assignments will be given in drawing, basic composition, color, design, and text manipulation. Animation may be explored. Work is produced for exhibition or portfolio by either printing or photographing it.

716 – COMPUTER GRAPHICS II	Prerequisite: Computer Graphics I
717 – COMPUTER GRAPHICS III	Prerequisite: Computer Graphics II
718 – COMPUTER GRAPHICS IV	Prerequisite: Computer Graphics III

**Visual, Performing and Applied Art Credit
.5 CREDIT**

These semester courses are intended to provide opportunities for advanced work in computer graphics for those students who have demonstrated strong ability in the use of graphic programs and are capable of self-directed work in a laboratory setting. Advanced alternate paint systems and electronic image input will be emphasized as students continue to expand their abilities in the computer graphic field. Projects may include animation and web page design. There may be time for independent study in areas of the student's choice.

ART (continued)

720 – COMMUNICATION DESIGN I

Prerequisite: Concepts and Materials in Art
*Grade 9 must have approval of department chair

721 – COMMUNICATION DESIGN II

Prerequisite: Communication Design I

722 – COMMUNICATION DESIGN III

Prerequisite: Communication Design II

Visual, Performing and Applied Art Credit

1 CREDIT

Grades 9 * -10-11-12

Students in Communication Design I gain a working knowledge of the principles of design and their application in two and three dimensional problems for the field of communication art and graphic design. Solving visual problems is an important part of this course. Students design a variety of pieces such as greeting cards, posters, CD covers, personal logos, packaging, and magazine ads. They use a variety of techniques and materials: ink, gouache, watercolor, acrylics, air brush, colored pencils, markers, and mixed media. Students also incorporate computer graphics using the IBM-PC. Communication Design II and III students work on advanced problems, often on independent projects of their choice. Advanced students are encouraged to organize portfolios of their best work for college/art school admission, scholarship application, or job interviews.

729 – DESIGN WITH FIBERS I

Prerequisite: Concepts and Materials in Art

730 – DESIGN WITH FIBERS II

Prerequisite: Design with Fibers I

Visual, Performing and Applied Art Credit

.5 CREDIT

In Fibers I, students will explore various methods of surface design and fiber production. Students will be dyeing fabric while exploring either batik or tie-dye. Students may also learn to create other surface designs by marbling, fabric painting, or creative stitching. By weaving on a variety of looms, from simple tapestry looms to harness looms, students will learn a variety of weaving techniques. In addition, students will work with three-dimensional fiber production by creating either a felted piece and/or a basket of their design.

In Fibers II, students will build on their fiber knowledge and skills by working on more advanced projects in fiber. Students may have the option of working on specific projects of their choice.

733 – DESIGN WITH METALS I

Prerequisite: Concepts and Materials in Art

734 – DESIGN WITH METALS II

Prerequisite: Design with Metals I

735 – DESIGN WITH METALS III

Prerequisite: Design with Metals II

736 – DESIGN WITH METALS IV

Prerequisite: Design with Metals III

Visual, Performing and Applied Art Credit

.5 CREDIT

Art students who wish to explore metal design learn basic metal working techniques: sawing, filing, soldering, forming, shaping, and bending. Metals from art history are viewed and critical and aesthetic perspectives are discussed. Students work with copper, brass, and silver, as well as with wood and stone. Projects may include belt buckles, rings, pins, bowls, and boxes.

In Design with Metals II, III, and IV, students have an opportunity to explore advanced metal techniques: lamination, lost wax casting, and constructed, carved, and forged forms. Students learn to reclaim precious metals by smelting. Sculptural forms are encouraged at this level as well as the more personal items that students may produce.

ART (continued)

737 – PHOTOGRAPHY I

Requirement: 35-mm camera is mandatory

738 – PHOTOGRAPHY II

Prerequisite: Photography I

739 – PHOTOGRAPHY III

Prerequisite: Photography I and II

**Visual, Performing and Applied Art Credit
1 CREDIT**

Grades 10-11-12

Photography I students learn the basic skills necessary to operate a camera, develop film, and to make black and white photographs. In addition to learning the technical skills necessary for photography, students will learn about the ways in which photography can be used as a means of creative expression. Assignments are given that will allow the student to explore a variety of ways in which to use equipment and materials in order to carry out their concepts. Students learn about the aesthetics of picture making and how various photographers have used photography as a means of creativity and expression. There is also some instruction incorporating digital images and computer manipulation.

Photography II students learn advanced technical camera and darkroom procedures as they develop their personal styles. These students are encouraged to work on photography portfolios that may be used for scholarship applications, photography/art school admissions, exhibitions, job applications, or personal sales.

Photography III students continue to develop portfolios of their best work with particular focus on imaginative personal statements and refined technique.

740 – FIGURE DRAWING I

Prerequisite: Concepts and Materials in Art

741 – FIGURE DRAWING II

Prerequisite: Figure Drawing I

742 – FIGURE DRAWING III

Prerequisite: Figure Drawing II

743 – FIGURE DRAWING IV

Prerequisite: Figure Drawing III

**Visual, Performing and Applied Art Credit (I and II only)
.5 CREDIT**

Students in Figure Drawing I draw and paint the full figure and head using a variety of methods and materials: watercolor and/or acrylic, pen, pencil, charcoal, oil crayons, ink, and colored pencils as well as mixed media. Students work directly from models who are often members of the class. Slides are used as an aid in teaching proportion and anatomy. Students see the way that different artists have drawn the figure and also see the way the figure is presented from different periods in art history. At all levels, both observation and imagination are emphasized.

Students enrolled in Figure Drawing II, III, and IV have the opportunity to do advanced work.

749 – DESIGN WITH SCULPTURE I

Prerequisite: Concepts and Materials in Art

750 – DESIGN WITH SCULPTURE II

Prerequisite: Design with Sculpture I

756 – DESIGN WITH SCULPTURE III

Prerequisite: Design with Sculpture II

758 – DESIGN WITH SCULPTURE IV

Prerequisite: Design with Sculpture III

**Visual, Performing and Applied Art Credit (II, II, III only)
.5 CREDIT**

Students work in three-dimensional forms with wood, plaster, clay, metal, and cement. Sculpture I students study the sculptural elements of space, form, movement, and surface texture. They explore the origin of materials as well as the relation of these materials to their new sculptural environment. Sculpture from art history is viewed and critical and aesthetic perspectives are discussed.

Sculpture II, III, and IV students work with more complicated techniques while increasing the scale and complexity of their ideas. They gain experience with casting, mixed media construction, and both arc and gas welding. All students work in figurative (representational) and non-figurative (non-representational) sculpture. Advanced students are encouraged to develop work for portfolio preparation.

BUSINESS EDUCATION

Business/Marketing Courses

Advertising
Business Explorations
Business Finance (PILOT)
Business Law
Business Management
Business Co-op/Internship
Marketing Co-op/Internship
Marketing I, II, III
Small Business Entrepreneurship
Sports & Entertainment Marketing

Computer Courses

Keyboarding & Information Processing
Information Processing I, II

607 – ACCOUNTING I

Grades 10-11-12

Accounting I acquaints the student with introductory accounting principals. Upon successful completion, students are able to maintain a set of books and prepare essential financial reports for personal use or for a sole proprietorship. The learning goals are achieved through the completion of problems, automated business simulations, and computerized projects.

Math Related Credit

.5 CREDIT

608 - ACCOUNTING II

Grades 10-11-12

Accounting II expands upon the knowledge and skills acquired in Accounting I. Vocabulary and basic accounting principles are taught using a merchandising business organized as a partnership. Students will examine and prepare special journals, subsidiary ledgers, payroll records, and essential financial reports. The learning outcomes are achieved through the completion of problems, automated business simulations, and computerized projects.

Prerequisite: Accounting I

and

Recommendation of Accounting I Instructor

Math Related Credit

.5 CREDIT

609 – ACCOUNTING III

Grades 11-12

Accounting III is designed for students who plan a career in any field of business. This advanced course expands on topics introduced in Accounting I and II while adding new topics about corporation accounting. Areas of concentration are: departmentalized accounting, accounting for uncollectible accounts, notes payable and notes receivable, calculating and recording depreciation of assets, and acquiring capital and paying dividends for a corporation. Learning is accomplished through completion of problems, automated simulations, and computerized projects.

Prerequisite: Accounting II

and

Recommendation of Accounting II Instructor

Math Related Credit

.5 CREDIT

610 – ACCOUNTING IV

Grades 11-12

Accounting IV will allow a student who plans a career in business to discover specific topics related to corporate accounting. Students will acquire skills to account for different control systems used in accounting; emphasis is on management accounting. Another area of concentration will be cost accounting for a merchandising business including the maintaining of manufacturing records and the preparation of end-of-fiscal-period statements. Learning outcomes are accomplished through completion of problems, reinforcement simulations, and automated projects.

Prerequisite: Accounting III

and

Recommendation of Accounting III Instructor

Math Related Credit

.5 CREDIT

BUSINESS (continued)

628 – ADVERTISING
Grades 10-11-12

Visual, Performing and Applied Art Credit
.5 CREDIT

This course is designed to explore the principle concepts of advertising. Through activities and projects, students will learn the steps involved in producing print, radio, and television advertisements. Students will also learn the effects advertising has on society and discuss the social and ethical responsibility of advertisers. Another goal of this class is to expose students to the roles and responsibilities of all those involved in the advertising process; including copywriters, art directors, producers, and directors. At the completion of this course, students will be able to produce an advertising campaign from conception to final production.

600 – BUSINESS EXPLORATIONS
Grades 9-10

.5 CREDIT

Business Explorations is designed to introduce students to the world of business. This course will explore current trends, business challenges, and possible areas of future studies related to business. It examines all courses offered in Business Education providing students the opportunity to experience a variety of marketing and business careers. Students will be engaged in group projects using technology, classroom discussions, and activities related to professional career paths.

644 – BUSINESS FINANCE
Grades 11-12

PILOT

Math Related Credit
.5 CREDIT

Business Finance introduces students to the roles that finance, savings, credit, and investments play on business decision making. Students will apply mathematical concepts to analyze, calculate, and evaluate practical business applications in relationship to financial markets and business institutions. Students will expand their knowledge of business finance while developing practical mathematic skills used for business practices.

619 – BUSINESS LAW
Grades 10-11-12

.5 CREDIT

This course is designed for those students interested in a career in business. This class directly challenges the student through the understanding of law terminology and interpretations of law as it relates to the area of business. Some of the units covered will include: ethics, sales contracts, consumer protection, and employment law.

643 – BUSINESS MANAGEMENT
Grades 11-12

.5 CREDIT

This course integrates the fundamental concepts of business management and its ensuing responsibilities. Students who plan to study business in college or who hope to have a career in the corporate world are encouraged to enroll. Students will develop decision making, problem solving, and interpersonal communication skills as they work in teams to create original solutions to current global business issues. This course is organized to prepare students to assume the basic responsibilities in team building and leadership which will ensure success in college and in their future business career endeavors.

615 – MARKETING I
Grades 9-10-11-12

Visual, Performing and Applied Art Credit
.5 CREDIT

This course includes concepts involved in the flow of goods and/or services from producers to consumers with emphasis on economics and entrepreneurship. Students learn marketing concepts through activities and projects related to economics, marketing, business fundamentals, communications, human relations, and mathematics. Students identify a career goal and develop basic employment and job interview skills necessary to secure a job in some phase of marketing. Successful completion entitles students to enroll in Marketing II and Marketing III and Marketing Co-op.

BUSINESS (continued)

616 – MARKETING II

Prerequisite: Successful completion of
Marketing I

**Visual, Performing and Applied Art Credit
.5 CREDIT**

Grades 9-10-11-12

Students will expand their knowledge of marketing through the study of the marketing functions of selling, promotion, and distribution. Students will apply their knowledge of these functions in the completion of group and individual projects. The projects will include the preparation and presentation of a sales demonstration, promotional plan, and distribution analysis. Students will also explore career opportunities within these functions of marketing. Successful completion of the course entitles the student to enroll in Marketing III and Marketing Co-op.

627 – MARKETING III

Prerequisite: Successful completion of
Marketing II

**Visual, Performing and Applied Art Credit
.5 CREDIT**

Grades 10-11-12

This course continues the study of marketing with focus on the marketing functions of pricing, marketing information management, product planning, and risk management. Students will apply their knowledge of these functions of marketing in the completion of individual and group projects. The culminating project will be the creation and presentation of an entire marketing plan for a product that the student creates.

601 – SMALL BUSINESS ENTREPRENEURSHIP

**Visual, Performing and Applied Art Credit
.5 CREDIT**

Grades 10-11-12

Entrepreneurship is designed to take students step-by-step through the entire process of starting and running a business. Students are confronted with the realities of entrepreneurial challenges. Creating a business plan is covered extensively, and a business plan project is part of every unit. Students with business aspirations and career goals will benefit from the array of business topics addressed in Small business. The final culminating project in this course will serve as a stepping stone to their future endeavors as an entrepreneur or in their chosen career in business.

629 – SPORTS AND ENTERTAINMENT MARKETING

**Visual, Performing and Applied Art Credit
.5 CREDIT**

Grades 10-11-12

This course is designed to explore the concepts of Sports and Entertainment Marketing. Through activities, projects, and presentations, students will learn the working of professional and amateur sports, the motion picture and music industry, and recreational marketing. Students will explore topics such as: the role of a sports agent, ethical images of the professional athlete, endorsements, sponsorships, legal aspects of the motion picture and music industry, travel and tourism, and the impact of theme parks on marketing.

614 – BUSINESS CO-OP/INTERNSHIP

Prerequisite: Prior or concurrent enrollment
in a Business class
and
approval of Co-op Coordinator

Grade 12

1 CREDIT

Students have an opportunity to make money while earning high school credit by working an average of 15 hours per week in a business community. This experience allows students to hold a job, coinciding with the school day, as much as possible, as students are dismissed from school early in order to go to work. Business Co-op provides opportunities to work in a school approved environment compatible with students' career goals (i.e., attorney, physician, CPA, etc.). It also enables students who may be looking for full-time employment upon graduation to be trained during senior year for a specific job. The student trainee is required to submit materials/assignments summarizing his/her experience and knowledge of the company's operations and the Co-op experience. Employers submit quarterly evaluation reports on their trainees.

626 – MARKETING CO-OP/INTERNSHIP

Prerequisite: Prior or concurrent enrollment
in a Business class
and
approval of Co-op Coordinator

Grade 12

1 CREDIT

Students have an opportunity to earn money and high school credit by working an average of 15 hours per week in a business community. Students develop employment skills by performing tasks related to their career interest. The place of employment is considered a classroom and the employer evaluates the student's performance each marking period. The student trainee is required to submit materials/assignments summarizing his/her experience and knowledge of the company's operations and the co-op experience.

COMPUTER COURSES

617 – KEYBOARDING AND INFORMATION PROCESSING

Recommendation of counselor

Grades 9-10

.5 CREDIT

This course is designed for students who have not yet demonstrated mastery of keyboarding and information processing skills necessary for success in high school. Students who did not pass the computer competency assessment administered in middle school must take this course in grades 9 or 10. It will provide those students, who need more instruction in keyboarding techniques, an opportunity to learn the keyboard using the touch method of typing. Accuracy and speed will be emphasized. Students will be working with Microsoft Word, Excel, PowerPoint, and Publisher, as well as digital camera operations, web design programs, and the Internet. The final project is the creation of an employment portfolio.

612 – INFORMATION PROCESSING I

Grades 9-10-11-12

.5 CREDIT

Information Processing reinforces essential application skills such as word processing, desktop publishing, spreadsheets, database, email, and electronic presentation. This class provides students a unique opportunity to go beyond the basics as they apply creativity in problem solving, decision making, composition, and more. Students apply their skills to format documents similar to those they will prepare for classes in high school and college (i.e. reports, bibliographies, endnotes, resumes, cover letters, etc.). Students will be working with Microsoft Word, Excel, PowerPoint, and Publisher, as well as digital camera, web design programs, and the Internet. The students will create a portfolio representing all course content.

613 – INFORMATION PROCESSING II

Prerequisite: Successful completion of
Information Processing I
or
Competency equivalent to
Information Processing I

Grades 9-10-11-12

.5 CREDIT

Information Processing II is a comprehensive course that concentrates on computer applications. This course is a self-paced learning atmosphere that explores more in-depth applications of Word, Excel, PowerPoint, Publisher, digital camera, and web design. The students face realistic workplace challenges with the use of simulated projects. The students will create a portfolio representing all course content.

ENGLISH

Graduation requirements: Students must earn 4 or more credits in English. Of these 4 credits, 1 credit must be earned in Freshman English (Traditional or Honors) and 1 credit must be earned in American Literature and Composition (Traditional or Honors) taken in grades 10, 11, or 12. The English Department strongly recommends that students distribute the 4 credits by earning 1 credit per year. Reading, writing, listening, speaking, and viewing are emphasized in all English courses.

CORE CURRICULUM OPTIONS

Students need to consider carefully all elements of their academic, co-curricular and extra-curricular activities with parents when making their course selections. Students and parents must consider the selection of Honors courses carefully, since movement from Honors to Traditional levels can only be made if a student's ability and potential do not match the demands of the Honors curriculum.

Highly Challenging College Prep Program

Freshman English Honors	(1 credit required)	9 th
American Literature and Composition Honors	(1 credit required)	10 th
Advanced Placement Language & Composition	(1 credit)	11 th -12 th
Advanced Placement Literature & Composition	(1 credit)	11 th -12 th

Additional Optional Electives also available. See list below.

Challenging College Prep Program

Freshman English (Traditional or Honors)	(1 credit required)	9 th
American Lit. and Composition (Traditional or Honors)	(1 credit required)	10 th
Choice of TWO of the following:		
Literature, Culture and the Humanities	(1 credit)	11 th -12 th
AP Lang. and Comp.	(1 credit)	11 th -12 th
British Literature and Composition	(1 credit)	10 th -12 th
AP Literature and Composition.	(1 credit)	11 th -12 th
Classics of World Literature	(1 credit)	11 th -12 th
Additional Optional Electives also available. See list below.		

Traditional College Prep Program

Freshman English (1 credit required) 9th
 American Literature and Composition (1 credit required) 10th-12th

Optional Elective courses for completing 4 credit graduation requirement

These courses are also available to any student who is taking the highly challenging *or* challenging sequence and has an interest in the following areas:

British Literature and Composition (1 credit) 10 th -12 th	Journalism (1 credit) 9 th -12 th
Classics of World Literature (1 credit) 11 th -12 th	Literature, Culture, and the Humanities (1 credit) 11 th -12 th
Creative Writing (.5 credit) 9 th -12 th	Literature, Culture, and the Humanities (1 credit) 11 th -12 th
Debate (.5 credit) 9 th -12 th	Mythology (.5 credit) 10 th -12 th
Explorations in Reading (.5 credit) 10 th -12 th	Pictorial Literature (.5 credit) 11 th – 12 th
Expository Writing (.5 credit) 10 th -12 th	Shakespeare (.5 credit) 10 th -12 th
Film Literature (.5 credit) 10 th -12 th	Speech (.5 credit) 10 th -12 th
Honors Journalism (1 credit) 9 th -12 th	

Support is offered through collaboration with the Learning Resource Center. Strengthening of reading and writing skills is offered through such classes as Reading Workshop (.5 credit), Expository Writing (.5 credit), Freshman English, and Freshman Assist. Students considering playing Division I or II college-level sports should carefully plan courses with their counselors to ensure eligibility.

162 – AMERICAN LITERATURE AND COMPOSITION

Required Course
or
(American Literature and Composition Honors)
1 CREDIT

Grades 10-11-12

This course presents the study of American literature through its major periods. Students read short stories, novels, dramas, poetry, and non-fiction. Composition work emphasizes formal research and various types of essays including literary criticism and argumentation. Through reading, writing, speaking, listening, and viewing, students explore various themes of American literature. Required reading includes The Great Gatsby by Fitzgerald, Death of a Salesman by Miller and excerpts from The Adventures of Huckleberry Finn by Twain, Walden and Civil Disobedience by Thoreau, and The Souls of Black Folk by Dubois. Students may also read from the following: “Straw Into Gold” by Cisneros, “Mother Tongue” by Tan, “Blue Highway” by Heat-Moon, The Scarlet Letter by Hawthorne, Red Badge of Courage by Crane, The Catcher in the Rye by Salinger, The Piano Lesson by Wilson, and The Glass Menagerie by Williams. Students considering enrollment in Advanced Placement English in grades 11 or 12 should take American Literature and Composition in grade 10.

163 – AMERICAN LITERATURE AND COMPOSITION HONORS

Required course
or
(American Literature and Composition)
1 CREDIT

Grades 10-11-12

This course is intended for the talented and serious academic student who is willing to rise to the challenge of intense, independent, in-depth study of literature in the context of American culture. Class requirements include research, at-home reading, presentations, discussion, critical analysis, and major investigations. Required reading includes The Great Gatsby by Fitzgerald, Death of a Salesman by Miller and excerpts from The Adventures of Huckleberry Finn by Twain, Walden and Civil Disobedience by Thoreau, and The Souls of Black Folk by Dubois. Students may also read Hunger for Memory The Autobiography of Richard Rodriguez, Their Eyes Were Watching God by Hurston, The Hairy Ape by O’Neill, Long Days Journey Into Night by O’Neill, and A Streetcar Named Desire by Williams. Students considering enrollment in Advanced Placement English in grades 11 or 12 should take American Literature and Composition Honors in grade 10.

197 – AP ENGLISH: LANGUAGE AND COMPOSITION

Grades 11-12

1 CREDIT

Advanced Placement English: Language and Composition is a college-level course which prepares students for the AP test offered each May. Successful performance on the test may result in college credit. Students strengthen their awareness of language and sharpen their skills in critical reading, logical thinking, and effective writing. In addition to writing personal essays, analytical and argumentative papers, and impromptu, students study and practice speaking and listening skills. Readings focus on non-fiction. AP English: Language and Composition follows the guidelines established by the College Board.

145 – AP ENGLISH: LITERATURE AND COMPOSITION

Grades 11-12

1 CREDIT

Advanced Placement English: Literature and Composition is a college-level course that prepares students for the AP test offered each May. Successful performance on the test may result in college credit for the class. The course stresses close reading, analysis, and critical writing. The readings for the course include contemporary and traditional classic works of fictional literature with an emphasis on the language of literature as well as the cultural heritage of literature. Required reading includes The Odyssey by Homer in translation by Robert Fitzgerald or Robert Fagles, King Lear by Shakespeare and poetry selected from Sound and Sense edited by Perrine and Arp. Students may also read from the following reserved titles for the course: The Tempest by Shakespeare, Antigone by Sophocles, Dr. Faustus by Marlowe, Arms and the Man by Shaw, An Enemy of the People, Hedda Gabler, and A Doll’s House by Ibsen, Catch-22 by Heller, Invisible Man by Ellison, and My Name is Asher Lev by Potok. AP English: Literature and Composition follows the guidelines established by the College Board.

164 – BRITISH LITERATURE AND COMPOSITION

Grades 10-11-12

1 CREDIT

The works of British authors and the chronological development of British literature form the basis of this course. Through reading, writing, speaking, listening, and viewing experiences, students explore the works of poets, essayists, dramatists, and novelists from the Anglo-Saxon era through the Modern Age. The course encourages an analytical approach to literature with an in-depth understanding of form, content, and style. Increased sophistication in writing literary analysis is a critical goal.

Required reading includes Beowulf, selections from The Canterbury Tales by Chaucer, Hamlet by Shakespeare, selections from Gulliver's Travels, and a work by Oscar Wilde. Students may also study Pride and Prejudice by Austen, Wuthering Heights by Bronte, Pygmalion by Shaw, Brave New World by Huxley, and Lord of the Flies by Golding.

104 – CLASSICS OF WORLD LITERATURE

Grades 11-12

1 CREDIT

Traditional and contemporary literary masterpieces and their relevance constitute the subject of this course. Students read classics from six continents including examples of epic, drama, novel, short story, and poetry. Students study artistic qualities, literary terms and concepts. The course stresses close reading, analysis, and critical writing.

123 – CREATIVE WRITING

Required: Freshman are to submit a portfolio prior to enrollment

.5 CREDIT

Designed for students interested in creative writing, this course offers guided instruction in short fiction, poetry, and drama. Students read and interpret fiction and poetry models to facilitate the development of their own writing styles. They identify professional writers' stylistic components and develop their own creative writing skills in short stories, poetry and one-act scripts. Students share their writing. Each student maintains a journal and submits a portfolio of his/her best creative writing at the end of the semester.

124 – ADVANCED CREATIVE WRITING

Required: successful completion of Creative Writing I
and approval of the Creative Writing teacher

or
review of portfolio by the Creative Writing
teacher; credits not counted toward the
graduation requirement in English

Grades 10-11-12

.5 CREDIT

Advanced Creative Writing is offered to students who want additional training in imaginative expression. The course gives students with creative writing talent the opportunity to prepare their work for publication. They practice specific literary techniques and produce original short stories, sketches, poetry, and drama. Outstanding writing is submitted to contests and magazines. Students write for the school's literary magazine and may work on the staff. Because of the freedom needed in creative work, much of the instruction is individualized. A workshop atmosphere prevails as students build their portfolios.

175 – DEBATE

9th Grade Requirement: Permission of Instructor

.5 CREDIT

This course introduces students to the theory and practice of academic debate. Class work is derived from in-depth analysis of a significant contemporary problem. Students carry out directed library research on this problem in preparation for writing individual affirmative cases. To pass this class, each student must prepare and submit an affirmative case. Students develop abilities to organize evidence efficiently, to think critically, and to speak extemporaneously.

176 – ADVANCED DEBATE I

Required: approval of debate teacher; credits not counted toward graduation requirements in English

177 – ADVANCED DEBATE II

Grades 10-11-12

.5 CREDIT

Advanced Debate I and II prepare students for varsity debate competition. The class facilitates each student's preparation for interscholastic competition by providing instruction in advanced theory and by emphasizing depth of understanding in the topic area. Students must demonstrate maturity of purpose as they carry out research assignments, write new cases, and prepare a variety of briefs.

112 – EXPLORATIONS IN READING

Grades 10-11-12

.5 CREDIT

Students select readings from a variety of genres including prose fiction, non-fiction, biography, classic authors, short stories, essays, drama, mass media, history, best sellers, and others. The teacher approves the choices. Students read and complete written papers, analyses, and may generate brochures, oral reports and Power Point presentations. Writing is largely expository and emphasizes effective thesis development. Students electing this course should be capable of consistent effort and have independent and disciplined work habits.

122 – EXPOSITORY WRITING

Grades 10-11-12

.5 CREDIT

Expository Writing provides instruction in non-fiction writing. Students review basic grammar skills while they learn to use several methods of explanation (e.g. comparison, cause and effect, reason, classification, example, and definition). Students write various types of essays, learn term paper and research skills, and participate in oral presentations. Special emphasis is placed on developing critical thinking skills as they relate to class assignments.

117 – FILM LITERATURE

Grades 10-11-12

.5 CREDIT

Film Literature presents the history and literature of motion pictures. Students view and analyze representative films in several genres including Silent Comedy, Western, Science Fiction, and Film Noir. Directors studied may include Alfred Hitchcock, Stanley Kubrick, Charlie Chaplin, Akira Kurosawa, and John Ford. Both American and foreign titles will be screened in class. The basic skills stressed in other English courses are also developed in this course, including literary analysis and communication in writing and speaking. Students examine short and feature-length films for editing, sound, photography, and other aspects of cinematic language. Students write numerous essays examining film and are also encouraged to make their own films for class. Students will study Citizen Kane, Singin' in the Rain, The Gold Rush, Life is Beautiful, Psycho, and Rebel Without a Cause.

Prerequisite for other English Courses unless permission of Instructor is obtained

Required Course (or Freshman English Honors)

101 – FRESHMAN ENGLISH

Grade 9

1 CREDIT

This course emphasizes the refinement of the composition and reading skills learned in middle school. Students write logically developed essays with effective structure, transitions, unity, and clarity of expression. Students review the principles of grammar and usage as they revise the drafts of essays. Persuasive essays and formal research projects are required activities. Students experience multicultural perspectives in literature by reading from a variety of genres of fiction and literary non-fiction including short stories, novels, dramas, poetry, biography, essays, argumentation, and reference texts. Students explore the theme of the human search for self-understanding through reading, writing, speaking, listening, and viewing experiences. Students read To Kill a Mockingbird by Lee, either Julius Caesar or Romeo and Juliet by Shakespeare, and at least two of the following: Of Mice and Men and The Pearl by Steinbeck, Black Boy by Wright, The Miracle Worker by Gibson and/or Dracula by Stoker.

114 – FRESHMAN ASSIST

Requirement: Teacher and Counselor approval and Test Results

Grade 9

1 CREDIT

The focus of this course provides basic instruction in the skills needed for success in high school. The course emphasizes fundamental reading, writing, and study skills to help students learn more effectively in their core academic classes. Development of reading skills includes explicit instruction in self-monitoring strategies, cognitive strategies and text analysis. Improvement of writing skills includes explicit instruction in development of ideas, organization, voice, sentence fluency, word choice, conventions, and presentation. Improvement of study skills includes explicit instruction in note taking and test preparation. Placement for the course is determined by test results. **THIS CLASS CANNOT BE USED TO SATISFY AN ENGLISH REQUIREMENT**

103 – FRESHMAN ENGLISH HONORS

Required Course (or Freshman English)

Grade 9

1 CREDIT

This course is intended for the talented and serious academic student who is willing to rise to the challenge of intense independent in-depth study of a variety of literary genres, and extensive instruction in a variety of composition modes. Class requirements include research, at-home reading (fiction and non-fiction), presentations, discussion, and several major investigations. Students will explore the theme of the search for self-understanding through multicultural perspectives in literature. Students may review the principles of grammar and usage as they revise the drafts of essays. Required reading includes To Kill a Mockingbird by Lee, Macbeth by Shakespeare, and Great Expectations by Dickens. Students may also read two of the following: Frankenstein by Shelley, The Chosen by Potok, or The Bean Trees by Kingsolver.

106 – JOURNALISM

Journalism fulfills 1 year graduation requirement in English

1 CREDIT

Journalism builds communication skills and develops perception and discrimination in the use of mass media, newspapers, radio, television, and magazines. The course deals with the communication process, intelligent use of the mass media, and current research. The emphasis is on concise and precise writing of news, feature, and opinion articles, as well as oral presentation for broadcasting with an audience in mind. The text is Scholastic Journalism. Many pieces of work that appear in newspapers and magazines are also used.

113 – HONORS JOURNALISM

Fulfills one year graduation requirements in English

1 CREDIT

This course is intended for the talented and serious academic student who is willing to rise to the challenge of an intense, in-depth study of a variety of mass media. Class requirements include critical analysis of current research, outside of class interviewing and study, presentations, discussion, and several major investigations. The emphasis is on concise and precise writing of news, feature, and opinion articles, along with design elements which will be used in publishing of a newspaper. The text is Scholastic Journalism and The Radical Write, as well as newspapers, magazines and the Internet.

107 – ADVANCED JOURNALISM I

Prerequisite: Journalism; requires approval of teacher

108 – ADVANCED JOURNALISM II

Prerequisite: Adv Journalism I; requires approval of teacher

109 – ADVANCED JOURNALISM III

Prerequisite: Adv Journalism II; requires approval of teacher, credits not counted toward graduation requirement in English

Grades 10-11-12

1 CREDIT

Advanced Journalism I, II, III are taught primarily through individual instruction; students serve as reporters and editors of the school newspaper. Each student assumes responsibility for production procedures such as planning assignments, selling advertising, editing copy, writing headlines, reading proofs, computer design, and laying out dummies.

ENGLISH (continued)

115 – MYTHOLOGY

Grades 10-11-12

.5 CREDIT

Although devoted primarily to Greek and Latin myths, Mythology also touches upon Nordic and other myths that remain a living part of our cultural heritage. Assignments develop student skills in reading, writing, listening, and speaking. Students will write numerous essays and complete projects on mythological topics.

111 – READING WORKSHOP

Requirement: Teacher recommendation

Grades 10-11

.5 CREDIT

Reading Workshop gives instruction in reading skills with emphasis on strategies for comprehension and study skills. Students work on locating main ideas, recalling important details, and determining sentence meaning. Students learn how to make inferences based upon text clues and how to decipher vocabulary based upon context clues. The course requires critical reading in authentic reading situations.

118 – SHAKESPEARE

Grades 11-12

.5 CREDIT

Students study a variety of works by William Shakespeare, exploring their literary merit as well as their relationship to the acting styles, theatre architecture, and related issues during the Elizabethan period. While the plays range from farce to tragedy, the emphasis remains upon the interaction of style and idea. The Bard's works are studied in conjunction with questions concerning his reputation and the authorship of these timeless classics. The course explores the relevance of an Elizabethan dramatist's thought to the increasing complexities of contemporary life. Through reading, writing, speaking, listening, and viewing, students will comprehend and evaluate a wide variety of literature, both classic and contemporary. All students will read either Richard III or Taming of the Shrew.

116 – SPEECH

Grades 10-11-12

.5 CREDIT

This semester course will assist students at all levels in developing poise and self-confidence in oral communication situations. The emphasis will be on the functional and technical aspects of speech and the importance of effective listening, as well as the tools of effective speaking. Presentations will be created and performed in a variety of speech settings, involving numerous topics.

105 – LITERATURE, CULTURE, AND THE HUMANITIES

Grades 11-12

1 CREDIT

Literature, Culture, and the Humanities is the study of human culture as it developed in Western Europe and the United States. Sources for this study come from the fields of literature, philosophy, art, architecture, music, history, and religion. Through reading, writing, speaking, listening, and viewing experiences, students study foundational works of western culture as well as works that have developed as an outgrowth of that foundation. Required reading includes The Iliad by Homer, Oedipus Rex by Sophocles, and Othello by Shakespeare.

173 – Pictorial Literature: A Comparison of Classical Literature and the Emerging Genre of Graphic Novels

Grades 11-12

PILOT

.5 CREDIT

This course is devoted to the intensive study of the graphic novel. By reading, discussing, writing about, re-reading, and working with a variety of book-length texts in comics format, students will gain an understanding of formal narrative, and theoretical characteristics of graphic novels. Students will also read traditional texts with graphic counterparts and discuss the differences in narrative. One focus will be on the relationships between words and images. Assignments will require regular reading of assigned graphic novels and other texts, written responses, and a variety of formal compositions that require the application of key concepts in the course.

INTERDEPARTMENTAL

012 – COMPUTER APPLICATIONS

.5 CREDIT

This course will develop students' skills in word processing, database management, spreadsheets and charts, and presentation software. Students will use the Internet and software on the school system network.

015 – THEORY OF LEARNING

PILOT

.5 CREDIT

Prerequisite: Enrollment in Advanced Placement courses

This course will be divided into seminars during the course of the semester. After the initial four-week seminar sessions with the instructor studying methods of epistemological analysis, students will rotate through an inter-disciplinary study with emphasis placed on the subjects identified by the Advanced Placement International Diploma Requirements. Working with the instructor and a Master teacher of these subjects, students will be exposed to epistemological methods of scholarship within the various domains of knowledge, concepts, truths, and beliefs. Students will then choose a topic in inquiry within the boundaries of epistemological study that will be presented at a Theory of Learning conference open to the community at the end of the semester. Students may elect to take this course at any time during their junior or senior year.

016 – Digital Seminar

PILOT

Grade 9-10

.5 CREDIT

Effective use of technology is critical to the acquisition of skills needed in a knowledge based, twenty-first century economy. Digital Seminar provides students with access to up-to-date, primary source material on the Internet. Students will discover ways to collaborate with students, teachers, and experts around the world. In addition, students will learn about opportunities for expressing knowledge and understanding via images, sound, and text.

172 - YEARBOOK PRODUCTION

NORTH

**Prerequisite: Approval of Yearbook Instructor
Visual, Performing and Applied Art Credit**

Grades 10-11-12

1 CREDIT

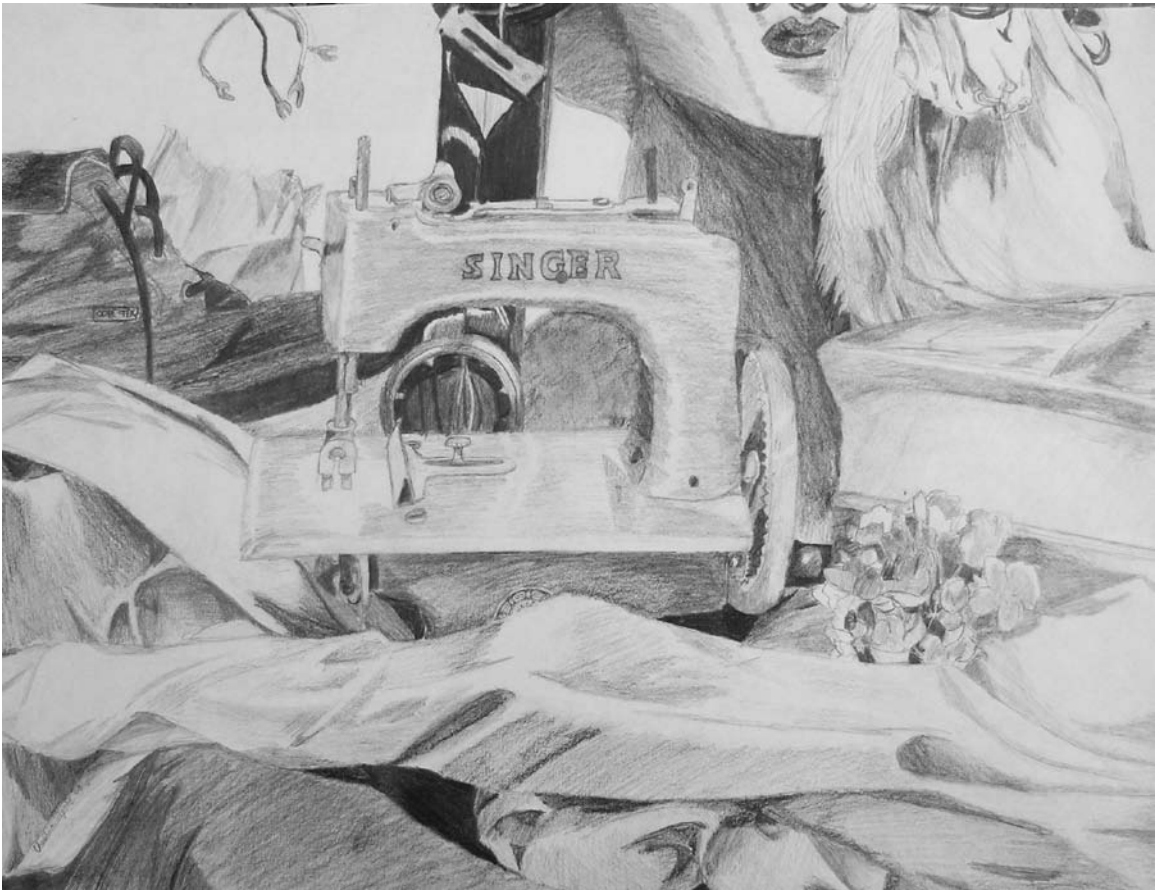
This course is designed to offer students the opportunity to learn the many aspects of the publishing process, from planning and design through production to distribution of the end product. Students are involved in class discussions, class designing, and individual instruction. Students assume responsibility for reporting and writing, computer designing using Yeartech Online, or other current technology programs, tracking production, and business tasks in the of the end product-*Valhalla*.

950 - CAREER DECISIONS

Grades 11-12

.5 CREDIT

Career Decisions is designed to help students cope with change while they plan their futures. Students learn about new, emerging occupations and careers for the 21st century, the meaning of work and how to use the career search tools necessary for success, personal economics and money management, and values, beliefs, and ethical behaviors. The course is planned to prepare students to investigate the question of what to make of their lives. Students will leave the program with a personal resume. Career Decisions is taught by the Lifeskills Department at South and the Business Education Department at North. The course may be used to meet the 210 credit graduation requirement and may be used to fulfill a practical art requirement.



- Christina W.

LIFESKILLS and HEALTH EDUCATION

Personal Living

Child Development/Parenting

Effective Living

Fashions & Fabrics I, II, III, IV

Food for Fitness I, II

Health Education

Interior Design/Housing

Living On Your Own/Money Management

Careers

Art of Pastry and Dessert

Preparation

Child Care Services

Child Care Services Co-op

Commercial Foods I, II (SOUTH)

Commercial Foods Co-op (SOUTH)

Hospitality Services

Medical Aides Co-op

800 – FOOD FOR FITNESS I

.5 CREDIT

Students who are interested in improving and maintaining their personal health through good food are encouraged to take this course. Students assess their present lifestyle and eating patterns through computer analysis. They also gain an understanding of how physical fitness and nutrition are related. Through laboratory experiences, students prepare foods which promote a healthier life. Some topics to be studied are natural foods, dieting, weight control, and nutrition.

805 – FOOD FOR FITNESS II

Prerequisite: Food for Fitness I

Grades 10-11-12

.5 CREDIT

This course is designed for the student who has mastered Foods for Fitness I. Students acquire and apply the skills learned in Food for Fitness at a more advanced level. Advanced nutrition as well as preparation techniques will be emphasized. Through laboratory experience, students will prepare foods which require higher skills in culinary arts, i.e., soups, stocks, yeast products, pastries, desserts, etc.

815 – ART OF PASTRY AND DESSERT PREPARATION

Prerequisite: Food for Fitness I and II

Visual, Performing and Applied Art Credit

.5 CREDIT

This course will provide a continued experience in food preparation and food technique to follow Food for Fitness I and II. Students will have hands-on learning experience in the preparation of pastry and desserts that will lead to job opportunities in local pastry shops, restaurants and bakeries.

LIFESKILLS AND HEALTH EDUCATION (continued)

801 – FASHION AND FABRICS I

802 – FASHION AND FABRICS II

803 – FASHION AND FABRICS III

804 – FASHION AND FABRICS IV

Prerequisite: Fashion and Fabrics I

Prerequisite: Fashions and Fabrics II

Prerequisite: Fashions and Fabrics III

**Visual, Performing and Applied Art Credit
.5 CREDIT**

The Fashion and Fabrics classes are designed for the beginning as well as for the advanced student who desires to develop or improve clothing construction skills. Students will work independently on projects according to their ability levels to improve their personal and/or occupational competency skills. Students' projects will encompass a range of difficulty levels from items such as vests, pants, and skirts at the beginning level to prom attire and polar fleece jackets for more advanced students.

In Fashion and Fabrics II and II students will have access to and be trained to use new computerized sewing and embroidery machines to enhance their hand made or purchased garments. Students can use purchased software designs and learn to digitize hand-created patterns through the use of scanning equipment. Students will also learn new construction techniques such as varied zipper applications, machine hem stitching, and different garment closures. Students in all levels will use new pattern-making software similar to that used by pattern companies' clothing designers. This software allows students to choose from a wide array of pattern choices and print patterns customized to their own body measurements. Students can also manipulate the computer templates to create new fashion designs.

811 – COMMERCIAL FOODS I

SOUTH 1

1 CREDIT

812 – COMMERCIAL FOODS I

SOUTH 2

2 CREDITS

Grades 10-11-12

This introductory course acquaints students with the many job opportunities available in the food service industry. With strong emphasis placed on the organization and operation of the food service facility, students acquire many of the skills in food preparation and customer service necessary for future careers. Commercial Foods I is a prerequisite for Commercial Foods II and Commercial Foods Co-op.

813 – COMMERCIAL FOODS II

SOUTH

Prerequisite: Commercial Foods I

Grades 11-12

1 CREDIT

This course is designed for students with a commitment to Food Service. Emphasis is placed on providing students with skills at or above entry-level positions in the food service industry. Students practice high volume food preparation, baking techniques, vegetable cookery, garde manager (cold food preparation), entrée creation, menu planning, and many other skills necessary in food service. The classroom experiences are coordinated with on-the-job training if students are also enrolled in Commercial Foods Co-op.

814 – COMMERCIAL FOODS CO-OP

SOUTH

Prerequisite: Commercial Foods I

Grade 12

1 CREDIT

Students are employed a minimum of 15 hours a week in commercial foods positions approved by the teacher-coordinator. Students have on-the-job experiences in food planning and preparation, baking, short-order cookery, or allied food services. They gain entry-level skills that enable them to work as busboys or busgirls, waiters or waitresses, hosts or hostesses, salad or sandwich makers, or short-order cooks. With further training, students may qualify for hotel, motel, or restaurant management as well as other positions. Those who have previously taken Commercial Foods I begin occupational training immediately; others are placed when ready.

824 – INTERIOR DESIGN/HOUSING

**Visual, Performing and Applied Art Credit
.5 CREDIT**

Interior Design/Housing is concerned with the basic elements and principles of housing design, architectural styles, decoration of housing interiors, and home ownership options. By gaining a basic understanding of the design elements – color selection, use of backgrounds, window treatments, floor coverings, period furniture, and accessories, as well as how to draw and evaluate floor plans – students develop skills in designing and decorating homes and creating a comfortable living environment. Students who have a creative flair and a desire to pursue personal and career opportunities are encouraged to take this course.

825 – CHILD DEVELOPMENT/PARENTING

.5 CREDIT

This course is intended as a guidance course for future parents and to help those who are anticipating a career in which they will work with children. The physical, social, intellectual, and emotional development of children ages birth through six is studied in depth. Other topics of study include: age appropriate activity and toy selection, discipline strategies, birth defects and observation techniques. A new component of the program allows students the opportunity to "parent" an "infant simulator" for two days. The "Baby Think It Over Dolls" give students a realistic experience of life with an infant. Students who experience success in the course have the opportunity during the second half of the course to observe children closely by taking part in a guided experience in a kindergarten of the Grosse Pointe Public School System, or in a nursery school or day care center in the area. A major purpose of the course is to aid students in gaining a deeper understanding of children, and thus, indirectly, of themselves and others.

**826 – LIVING ON YOUR OWN/MONEY MANAGEMENT
Grades 11-12**

**Math Related Credit
.5 CREDIT**

Living On Your Own/Money Management prepares students to live independently. Emphasis is on helping students learn how to manage their money and live within their means. Students will investigate how life choices will affect their future. The student will create a Personal Finance Portfolio which will include units on paychecks and budgeting, saving and investing, acquiring transportation and insurance, as well as renting or purchasing a home. Students will also participate in a foods unit designed to help make wise choices when shopping and preparing foods.

831 – MEDICAL AIDES CO-OP (A.M.)

Prerequisites: Student must be 17 years old.

834 – MEDICAL AIDES CO-OP (P.M.)

Prerequisites: Student must be 17 years old.

Grade 12

1 CREDIT

Medical Aides Co-op provides students with work experience at the entry level for a variety of medically related professions. Students are trained on site by medical personnel to work in many different environments. Students may find work in dental, veterinary, or medical doctors' offices, with occupational therapists or in medical research. Students who work in the hospital setting will be trained on site within the department where they are placed. Students who have volunteered in the hospital prior to their senior year find that their volunteer experience facilitates the co-op job placement process.

LIFESKILLS AND HEALTH EDUCATION (continued)

837 – CHILD CARE SERVICES

2 hour block for year

Grades 10-11-12

2 CREDITS

Students interested in a practical course working weekly with children are encouraged to enroll in Child Care Services. The course is designed for students planning a career with children or related to children. It is recommended for college-bound students pursuing a degree in Early Childhood Education or for students seeking employment in the field of Child Care directly out of high school. Students observe and work with pre-school children in a laboratory nursery as well as plan and direct a variety of activities. Career exploration in this course includes primarily the role of the child care aide but also explores Early Childhood Education, Child Psychology and Sociology, Physical/Psychological Therapy and other careers related to the special needs of children. As more families require day care each year, emphasis is given to care of children of working parents. How to start play groups and home day care centers which meet state licensing requirements will be discussed. Students will need to provide a copy of a current physical and TB test to meet state guidelines for working with preschool children. Sports physicals will satisfy this requirement. Successful completion of this course prepares students for work as classroom or Child Care Aides in private enterprise, in public schools, or as part of the Child Care Co-op program. **The North Child Care program meets at Barnes Early Childhood Center.**

**838 – CHILD CARE SERVICES
CO-OP (A.M.)**

Prerequisite: Previously enrolled in Child Care Services.
If concurrently enrolled in Child Care Services, the student must be 18 years old.

**839 – CHILD CARE SERVICES
CO-OP (P.M.)**

Grade 12

1 CREDIT

Co-operative Child Care Services is an on-the-job training program for students interested in a career in child care. They may serve as aides in day care centers, nursery schools, and school-age child care programs. Students are dismissed from school to work a minimum of 15 hours a week in the Grosse Pointe-Detroit area. The teacher-coordinator who supervises the students works with employers to improve students' personal and technical skills and to evaluate their work. Students may work in morning, afternoon or after school co-op jobs.

**920 – HEALTH EDUCATION
WITH FAMILY PLANNING**

COMMENT: Health Education is required for graduation

Grades 9-10-11-12

.5 CREDIT

Health Education is a required course in which students learn to accept responsibility for personal health decisions and practices, and to work with others to support and maintain a healthful society. Students study topics related to stress and depression, nutrition, physical fitness, tobacco, alcohol and drugs as well as human sexuality, and disease prevention and control. This course includes a short unit of approximately 2-3 days which includes information about family planning and contraception with an emphasis on abstinence as the preferred method. Parents who do not want their children to receive instruction may opt their students into an alternative learning experience during the short family planning unit. **This course is highly recommended for incoming 9th grade students.**

MATHEMATICS

HIGH SCHOOL SEQUENCE

Students graduating in 2010 are required to complete three years (3 credits) in mathematics. It is recommended that students planning a college experience take 4 credits in mathematics. Students graduating in 2011 and beyond are required to complete four years of mathematics (one of which can be math-related) including Algebra I, Geometry, and Algebra II and must take a credit in a math or math related course during their senior year. Due to curriculum changes in the math sequence, a separate flowchart is provided for the class of 2010.

Class of 2011 and beyond

Honors Sequence	College Preparatory Sequence	Essentials Sequence
330 Honors Geometry	307 Algebra I CP 320 Algebra I CP support	318 Algebra I 310 Algebra Support
335 Honors Algebra II	316 Geometry CP	350 Geometry 339 Geometry Support
346 Honors PreCalculus	322 Algebra II CP	319 Algebra II
358 AP Calculus AB 359 AP Calculus BC	342 PreCalculus	332 Advanced Math
	Discrete Math	

Class of 2010

Honors Accelerated Sequence	College Preparatory Sequence	Essentials Sequence
330 Honors Accelerated Geometry	307 Algebra I CP	309 Pre-Algebra
		301 Basic Algebra
335 Honors Accelerated Algebra II	316 Geometry CP	303 Basic Geometry
346 Honors Accelerated Pre-Calculus	322 Algebra II CP	306 Algebra I for Upperclassmen
358 AP Calculus AB 359 AP Calculus BC	342 Pre-Calculus 345 Honors Pre-Calculus	319 Algebra II
		332 Advanced Math

Note: Occasionally, "horizontal" movement on either chart may be recommended for individual students, although the sequence of course topics remains the same.

Computer Courses (semester courses)

375 Beginning Programming 376 Advanced Programming I
377 Advanced Programming II 378 AP Advanced Programming III

ESSENTIALS OF MATHEMATICS SEQUENCE

The Essentials Mathematics Sequence gives students exposure to and experience with the same concepts that are presented in the College Prep Mathematics Sequence. Topics are usually presented at a slower pace and with less rigor. Scientific and/or graphing calculators are used in these courses to enhance learning and supplement topics. Support classes, which run concurrently with the regular math courses, are also offered within this sequence to provide additional assistance for students as they work to meet the curriculum expectations.

310 – ALGEBRA SUPPORT

Prerequisite: Math 8
Requirement: Teacher recommendation and enrollment in Algebra I

.5 or 1 CREDIT

This support class is taken concurrently with Algebra I and provides additional support for students as they work to meet the curriculum expectations of Algebra I. Course content includes additional instruction on the concepts taught in class, previews of upcoming lessons, homework assistance, and quiz and test preparation. This course is taught in a small group setting and does not count for math credit.

318 – ALGEBRA I

Prerequisite: Math 8 or PreAlgebra

1 CREDIT

This course is a traditional approach to the study of first year Algebra concepts. This Algebra I course builds on the study of functions and representations begun in the middle school grades. Students will learn to simplify and factor expressions, solve linear and quadratic equations, and systems of equations. Students will study families of functions and their graphs including linear, quadratic, polynomial, power, and exponential. Using these functions, students will model real-world situations using data and solve related problems. A scientific and/or graphing calculator will be used to supplement topics.

339 – GEOMETRY SUPPORT

Prerequisite: Algebra I
Requirement: Teacher recommendation and enrollment in Geometry

.5 or 1 CREDIT

This support class is taken concurrently with Geometry and provides additional support for students as they work to meet the curriculum expectations of Geometry. Course content includes additional instruction on the concepts taught in class, previews of upcoming lessons, homework assistance, and quiz and test preparation. This course is taught in a small group setting and does not count for math credit.

350 – GEOMETRY

Prerequisite: Algebra I

1 CREDIT

This course covers the major topics of plane geometry such as parallelism, congruency, similarity, coordinates, transformations, measurement formulas, trigonometry, two and three dimensional figures, logic, and proof writing with an emphasis on insight rather than traditional rigorous proof. Applications of various geometric concepts are stressed. Algebraic and computational skills are reviewed and reinforced throughout the course.

306 – ALGEBRA I FOR UPPERCLASSMEN Prerequisites: Basic Algebra and Basic Geometry

1 CREDIT

This course is a traditional approach to the formal study of first year Algebra. The course addresses simplifying algebraic expressions, solving and graphing algebraic equalities and inequalities, applying the rules of exponents, factoring, simplifying rational expressions and solving rational equations, linear functions and graphs, solving systems of equations, simplifying radical expressions and solving radical equations, solving quadratic equations, being able to set up and solve word problems.

MATHEMATICS (continued)

319 – ALGEBRA II

Prerequisites: Algebra I and Geometry

1 CREDIT

This course emphasizes facility with algebraic expressions and forms, especially linear and quadratic forms, powers and roots, and functions and relations such as conics based on these concepts. Students study logarithmic, trigonometric, polynomial and rational functions in addition to probability, data analysis, sequences and series for modeling real-world situations. A graphing calculator is used throughout.

332 – ADVANCED MATHEMATICS

Prerequisite: Algebra II

1 CREDIT

Requirement: Teacher recommendation

This course extends the sequence from variables to relation to functions and includes using functions as models for applied settings. Geometric and Algebraic concepts are connected to topics in probability, statistics and trigonometry and functions are developed through graphical approaches aided by technology.

COLLEGE PREPARATORY MATHEMATICS SEQUENCE

The courses comprising this sequence deal with the logic and theory of mathematics as well as its applications in several fields of study. This sequence gives the capable student a thorough math preparation to pursue those fields in college that demand a solid mathematical foundation. Scientific and/or graphing calculators are used in these courses to enhance learning.

320 – ALGEBRA I CP SUPPORT

Prerequisite: Math 8th grade

.5 or 1 CREDIT

Requirement: Teacher recommendation *and*
enrollment in Algebra I CP

This support class is taken concurrently with Algebra I CP and provides additional support for students as they work to meet the curriculum expectations of Algebra I. Course content includes additional instruction on the concepts taught in class, previews of upcoming lessons, homework assistance, and quiz and test preparation. This course is taught in a small group setting and counts for elective credit but not for math credit.

307 – ALGEBRA I CP

Prerequisite: Math 8 or Pre-Algebra

1 CREDIT

Requirement: Teacher recommendation

This course is a traditional approach to the formal study of first year Algebra. Algebra I builds on the increasingly generalized approach to the study of functions and representations begun in the middle school grades. Students will learn to simplify and factor expressions, solve linear and quadratic equations, and systems of equations. Students will study families of functions and their graphs including linear, quadratic, polynomial, power, and exponential. Using these functions, students will model real-world situations using data and solve related problems. A scientific and/or graphing calculator will be used to supplement topics.

316 – GEOMETRY CP

Prerequisite: Algebra I

1 CREDIT

Requirement: Teacher recommendation

This course covers the topics of parallelism, congruency, similarity, coordinates, transformations, measurement formulas, right triangle trigonometry, two and three dimensional figures, logic, and proof writing. Geometry integrates standard approaches and algebra throughout the course. Applications of various geometric concepts are stressed. A scientific calculator is used throughout the course.

MATHEMATICS (continued)

322 – ALGEBRA II CP Prerequisite: Algebra I and Geometry **1 CREDIT**
Requirement: Teacher recommendation

This course emphasizes facility with algebraic expressions and forms, especially linear and quadratic forms, powers and roots, and functions based on these concepts. Students study logarithmic, trigonometric, polynomial and other special functions in addition to matrices for modeling real-world situations. A graphing calculator is used throughout.

342 – PRE-CALCULUS Prerequisite: Algebra II CP **1 CREDIT**
Requirement: Teacher recommendation

Pre-calculus topics emphasize the theoretical background a student must have to be successful in many calculus courses, including analysis of functions, notions of limit, analytic geometry, polar coordinates, exponential and logarithmic functions, and the conceptual underpinnings of the derivative and the definite integral. Discrete mathematics topics may include formal logic, properties of natural numbers, mathematical induction, sequences and combinatorics. Manipulative algebra and careful development of algebraic reasoning and proof will also be included. A graphing calculator is used throughout the course to analyze the behavior of functions, to conjecture trigonometric identities and to study limits. An emphasis is placed on problem solving using an analytic approach.

HONORS MATHEMATICS SEQUENCE

Topics in the courses are taught from a rigorous perspective and presented to develop the mathematical reasoning ability of students. Exceptionally capable students who have taken Algebra I in eighth grade and follow the sequence through, have the opportunity to earn college credit for high school mathematics upon successful completion of the Advanced Placement Examination in Calculus.

330 – HONORS GEOMETRY Prerequisite: Honors Algebra I / Algebra I CP **1 CREDIT**
Requirement: Teacher Recommendation

This course includes coordinate, plane, solid and some analytical geometry. Algebraic and geometric concepts are integrated throughout this course to enhance student learning. This course emphasizes problem solving and logic as methods used to develop each new concept. Every effort is made to avoid stopping at the customary, fixed boundaries of the traditional mathematics course to improve students' ability in applying theory and in analyzing problems independently.

335 – HONORS ALGEBRA II Prerequisite: Honors Geometry **1 CREDIT**
Requirement: Teacher recommendation

This course covers most topics of advanced algebra as well as trigonometry and statistics. This course emphasizes facility with algebraic expressions and forms, especially linear and quadratic forms, powers, and roots, and functions and relations such as conics based on these concepts. Students study logarithmic, trigonometric, polynomials, rational and other special functions both for their abstract properties and as tools for modeling real-world situations. Topics also include probability and data analysis, sequences and series. A graphing calculator is used throughout this course to enhance student learning.

346 – HONORS PRE-CALCULUS

Prerequisite: Honors Algebra II

1 CREDIT

Requirement: Teacher recommendation

Pre-calculus topics emphasize the theoretical background a student must have to be successful in many calculus courses including analysis of functions, notions of limit, analytic geometry, and the conceptual underpinnings of the derivative and the definite integral. Discrete mathematics topics may include formal logic, properties of natural numbers, mathematical induction, sequences and combinatorics. Manipulative algebra and careful development of algebraic reasoning and proof will also be included. These concepts, however, will be extended and supplemented with more rigor as needed to prepare students taking this course to elect AP Calculus as their next mathematics course. A graphing calculator is used throughout the course to analyze the behavior of functions, to conjecture about trigonometric identities and to study limits. Every effort is made to avoid stopping at the customary, fixed boundaries of the traditional mathematics course and to improve students' ability to applying theory and analyzing problems independently.

358 – AP CALCULUS AB

Prerequisite: Honors Pre-Calculus

359 – AP CALCULUS BC

Requirement: Teacher Recommendation

1 CREDIT

AP Calculus contains topics comparable to a semester (AB) Calculus I or a full first-year (BC) Calculus I and II college course which includes a review of functions and graphs, an in-depth look at limits and continuity, as well as differential and integral calculus with applications of each. College credit for calculus may be earned by a satisfactory performance on the Advanced Placement Examination. Various problem solving techniques are used and problems are devised to employ critical thinking skills. Graphing calculators are used throughout the course. Every effort is made to avoid stopping at the customary, fixed boundaries of traditional mathematics courses and to improve students' ability to apply theory and to analyze problems independently. Note: Students may take either AB or BC for credit and should consult their math teacher to discuss appropriate placement.

COMPUTER COURSES

375 – BEGINNING PROGRAMMING

.5 CREDIT

Prerequisite: Concurrent/previous enrollment in Algebra I

Computer Programming is the study of writing computer programs using a High Level Language C++. Writing computer programs helps to develop problem-solving skills. This course is designed for students with no knowledge of programming. It prepares students for additional courses in any other computer language.

376 – ADVANCED PROGRAMMING I

.5 CREDIT

Prerequisite: Beginning Programming

or

formal course in programming.

Students are taught a programming language that encourages the use of functions, classes and objects. This is the first of a sequence of programming courses which could lead to the AP exam in computer science. Topics covered include variables, constants and functions. The students learn to develop programs in a logical manner using structured programming methods.

377 – ADVANCED PROGRAMMING II

Prerequisite: Advanced Programming I (C or better)

.5 CREDIT

Advanced Programming II is a continuation of Advanced Programming I. It includes reviewing some Advanced Programming I topics, working with variables, constants and functions. Topics covered include the learning of classes, objects, recursion, arrays, streams, and files.

378 – AP ADVANCED PROGRAMMING III

Prerequisite: Advanced Programming II (B- or better)

.5 CREDIT

Different types of data structures are the main topics addressed in this course. Topics include building classes, graphics, event-driven programming, advanced algorithms and recursion, and data structures. This course qualifies students to take the Advanced Placement Examination in Computer Science. College credit for one or two semesters of Computer Science may be earned by satisfactory performance on this examination.

<p>Courses 375, 376, 377, and 378 are not currently counted toward graduation requirement in mathematics.</p>

MODERN AND CLASSICAL LANGUAGES

At least 3 years of study of a foreign language are recommended for all high school students who are planning to go on to a four-year college experience.

CHINESE

Chinese I, II

FRENCH

French I, II, III, IV, V

AP French V

GERMAN

German I, II, III, IV,

AP German IV

ITALIAN

Italian I, II, III, IV

AP Italian IV

LATIN

Latin I, II, III, IV

SPANISH

Spanish I, II, III, IV, V

Honors Spanish IV

AP Spanish V

248 – CHINESE I

1 CREDIT

This course is intended for students who are beginning the study of Chinese in high school. Students are introduced to a rich variety of activities that develop the four communicative skills of speaking, listening, reading, and writing. Video and audio tapes, authentic materials, and visuals assist each student's learning. Pair and group work provide students with multiple opportunities for language use. Students are introduced to the broad and various range of the Chinese culture.

249 – CHINESE II

Prerequisite: Chinese I

1 CREDIT

This course continues to provide students with a wide range of activities for developing and expanding vocabulary, conversation skills, and reading and writing abilities. Multi-media presentations that enhance listening comprehension are an integral part of the class. Chinese II continues to open up to the student the varied cultures and customs of the Chinese world.

201 – FRENCH I

1 CREDIT

This course is intended for students who are beginning the study of French in high school. Students are introduced to a rich variety of activities that develop the four communicative skills of speaking, listening, reading, and writing. Video and audio tapes, authentic materials, and visuals assist each student's learning. Pair and group work provide students with multiple opportunities for language use. Students are introduced to the broad and various range of the Francophone culture.

203 – FRENCH II

Prerequisite: French I in high school/middle school

1 CREDIT

This course continues to provide students with a wide range of activities for developing and expanding vocabulary, conversation skills, and reading and writing abilities. Multi-media presentations that enhance listening comprehension are an integral part of the class. French II continues to open up to the student the varied cultures and customs of the French world.

MODERN AND CLASSICAL LANGUAGES (continued)

206 – FRENCH III

Prerequisite: French II

Grades 10-11-12

1 CREDIT

At this level students continue to improve their language skills, while maintaining a focus on communication. Students enhance their understanding of grammatical structure and learn more sophisticated ways to express themselves. Textbooks are supplemented with a range of materials and activities, including magazine and on-line articles, videos, short stories and poetry, role-playing, games and mini-projects. Students rely less on the more controlled situations presented in textbooks and become increasingly confident in using the language in real life situations.

208 – FRENCH IV

Prerequisite: French III

210 – FRENCH V

Prerequisite: French IV or Honors French IV

Grades 11-12

1 CREDIT

French IV and V are rotating courses with rotating syllabi. Students electing French IV one year will have the opportunity to elect French V the following year. These offerings are not a duplication, but present distinct course materials. French IV and V continue the activities of the preceding course with classes conducted primarily in French. Students will acquire and apply their proficiencies in the language while increasing their knowledge of French peoples. Students will demonstrate their competencies individually and collaboratively in a variety of classroom activities. The course includes a review of the structure of the language, a variety of cultural and literary readings, and multiple opportunities for oral and written expression. **These courses are not intended for AP preparation.**

205 – HONORS FRENCH IV

Prerequisite: French III

Grades 11-12

1 CREDIT

This course, along with French AP the following year, will prepare the students for the AP exam. They will have an opportunity to study the grammar, literature, and culture in greater depth. Knowledge and skills are demonstrated by reading and discussing literary works, listening to, viewing, and discussing videos, writing compositions and impromptu essays, and preparing and presenting oral reports.

204 – AP FRENCH V

Prerequisite: French IV or Honors French IV

Grades 11-12

1 CREDIT

This course provides students with the opportunity to study in greater depth the history, culture, literature, and language of the Francophone world and the application of such study to contemporary living. Students in this course read French literature as well as contemporary publications (newspaper, magazines) and write compositions in French. Preparation for the exam includes intense grammar review, listening comprehension practice through the use of CDs, tapes and movies, and the refinement of their speaking skills through continual class practice, discussion and recordings. Students prepare for the Advanced Placement Exam for college placement and credit.

221 – GERMAN I

1 CREDIT

This course is communication-oriented to enable students who go to a German-speaking country to have the basics needed for everyday conversation. Videos and the internet will accompany the text to acquaint students with native speakers and culture. Students work individually, partners, and in small groups to practice language skills. Role-playing will put learners in real situations and projects will reflect actual use of the language in daily life. The course focuses on active learning with lots of activities, games, PowerPoint presentations, and on-line learning that practices the skills necessary to master beginning level German.

MODERN AND CLASSICAL LANGUAGES (continued)

222– GERMAN II

Prerequisite: German I

Grades 10-11-12

1 CREDIT

Students who have been successful in German I will continue to acquire and apply at a more advanced level the skills needed for communicating both orally and in writing. Videos, on-line exercises, songs, reading, writing, games, and small projects are all activities used to provide supplementary practice and application of skills and vocabulary being studied. Students learn a greater range of vocabulary and idioms for practical living and travel situations and become more proficient in writing. As students are exposed to German traditions and holidays, they develop an appreciation for various aspects of the culture of the German speaking countries.

225 – GERMAN III

Prerequisite: German II

Grades 11-12

1 CREDIT

At this level students continue to improve their language skills while maintaining a focus on communication. Students enhance their understanding of grammatical structures and learn more sophisticated ways to express themselves. Textbooks are supplemented with a range of materials and activities including magazine and on-line articles, videos, short stories and poetry, role-playing, games and mini-projects. Students rely less on the more controlled situations presented in textbooks and become increasingly confident in using the language in spontaneous real life situations.

227 – GERMAN IV

229 – AP GERMAN IV

Prerequisite: German III

Grades 11-12

1 CREDIT

At this level, students can choose to enroll in either German IV or German AP IV. While the work done in class is similar, the AP students have more extensive reading and writing assignments to prepare for the challenging AP exam. All students will hear and speak German almost exclusively. They will continue to build their vocabulary base and put it to use in meaningful communication. Students will also review and refine the grammar learned in German I, II, and III. They will read literary works and magazines, write essays and stories, use the language lab for a wide variety of listening and online activities, and prepare themselves to act and react in impromptu situations both orally and in writing.

211 – ITALIAN I

1 CREDIT

This course is for students who are beginning their study of Italian in high school. Throughout the year, students are introduced to a variety of activities that are instrumental and essential to developing the four communicative skills of speaking, listening, reading, and writing. Visual aids, audio tapes, and video lessons complement the development of these skills. Individual, partner, and group work provides opportunities for further use of the language. Students also are introduced to the rich culture and geography of Italy.

212 – ITALIAN II

Prerequisite: Italian I

Grades 10-11-12

1 CREDIT

This course is intended for students who mastered the skills of Italian I. The students will demonstrate the communicative skills of listening, speaking, reading, and writing to a higher degree through various classroom activities and short compositions. Students continue to explore the culture and geography of Italy.

213 – ITALIAN III

Prerequisite: Italian II

Grades 11-12

1 CREDIT

Students will continue to improve their communicative language skills while learning more advanced grammatical structure. The textbook is supplemented with a variety of materials and activities including on-line articles, poetry, short stories, videos, role-playing, and mini-projects. Students will enhance their conversational skills by writing and performing sketches and videos. Students become more confident in using the Italian language in real life situations. Students will also recognize and appreciate the contributions of Italian people as they explore the rich culture and the geography of Italy.

MODERN AND CLASSICAL LANGUAGES (continued)

214 – ITALIAN IV

230 – AP ITALIAN IV

Prerequisite: Italian III

Grades 11-12

1 CREDIT

At this level, students can choose to enroll in either Italian IV or Italian AP IV. While the work done in class is similar, the AP students have more extensive reading, speaking, listening and writing assignments to prepare for the challenging AP exam. Students have the opportunity to study Italian history, culture, literature and language in greater depth. Students read Italian literature as well as contemporary publications (newspaper, magazines) and write compositions in Italian. They improve listening comprehension through the use of CD's tapes and movies and refine their speaking skills through class practice, discussions and recordings. Students also refine and review the grammar learned in Italian I, II and III.

216 – LATIN I

1 CREDIT

This course is intended for students who are beginning the study of Latin in high school. Students acquire and apply (at a beginning level) the skills of reading, writing, and speaking Latin. Students demonstrate these skills individually and collaboratively in a variety of activities. Students begin to recognize idioms used by Roman authors, grammatical structure and syntactical principles. Students begin to explore the culture, history, and mythology of Ancient Romans and Greeks as well as some original Latin texts.

217 – LATIN II

Prerequisite: Latin I

1 CREDIT

This course is intended for students who mastered the skills in Latin I. Students acquire and apply (at a more advanced level) the skills of reading, writing, and speaking Latin. They demonstrate these skills individually and collaboratively in a variety of classroom activities. Students continue to recognize idioms used by Roman authors, grammatical structure and syntactical principles. Students continue to explore the culture, history, and mythology of the Ancient Romans and Greeks, and selective samplings of Roman authors.

250 – LATIN III

Prerequisite: Latin II or equivalent

Grades 11-12

1 CREDIT

In this Latin course, students read selections from Vergil's *Aeneid* as well as selections from other authors such as Horace's *Odes*, Catullus' *Carmina*, Livy's *Ab Urbe Condita*, Cicero's *Orationes*, and various medieval and neo-Latin authors. Students concentrate on improving their knowledge of Latin vocabulary and advanced syntax. The historical, social and political relevance of these works is closely scrutinized. Emphasis is also placed on Latin prose composition skills as well as oral Latin fluency.

252 –LATIN IV

Prerequisite: Latin III or equivalent

Grade 12

1 CREDIT

In this Latin course, students will read complete course syllabi appropriate to the fourth year of language. Course material alternates between the Horace/Catullus cycle and the Vergil/Latin Literature cycle. In the Horace/Catullus cycle, students read selections from the *Odes* and *Carmina*, as well as selections from Cicero's *Orationes*. In the Vergil cycle, students read selections from various books of the *Aeneid*. Particular emphasis is placed on critical readings and thoughtful discussions of the text. The course also involves an extensive review of all aspects of Latin grammar, vocabulary, and cultural knowledge. Additional emphasis is placed on Latin prose composition.

MODERN AND CLASSICAL LANGUAGES (continued)

231 – SPANISH I

1 CREDIT

This course is intended for students who are beginning the study of Spanish in high school. Students are introduced to a rich variety of activities that develop the four communicative skills of speaking, listening, reading, and writing. Video and audio tapes, authentic materials, and visuals assist each student's learning. Pair and group work provide students with multiple opportunities for language use. Students are introduced to the broad and various range of the Hispanic culture.

232 – SPANISH II

Prerequisite: Spanish I in high school /middle school.

1 CREDIT

This course continues to provide students with a wide range of activities for developing and expanding vocabulary, conversation skills, and reading and writing abilities. Multi-media presentations that enhance listening comprehension are an integral part of the class. Spanish II continues to open up to the student the wide and varied cultures and customs of the Hispanic world.

233 – SPANISH III

Prerequisite: Spanish II

Grades 10-11-12

1 CREDIT

At this level students continue to improve their language skills while maintaining a focus on communication. Students enhance their understanding of grammatical structure and learn more sophisticated ways to express themselves. Textbooks are supplemented with a range of materials and activities including magazine and on-line articles, videos, short stories and poetry, role-playing, games and mini-projects. Students rely less on the more controlled situations presented in textbooks and become increasingly confident in using the language in real life situations.

234 – SPANISH IV

Prerequisite: Spanish III

235 – SPANISH V

Prerequisite: Spanish IV

Grades 11-12

1 CREDIT

Spanish IV and V are rotating courses with rotating syllabi. Students electing Spanish IV one year will have the opportunity to elect Spanish V the following year. These offerings are not a duplication, but present distinct course materials. Spanish IV and V continue the activities of the preceding course with classes conducted primarily in Spanish. Students will acquire and apply their proficiencies in the language while increasing their knowledge of Hispanic peoples. Students will demonstrate their competencies individually and collaboratively in a variety of classroom activities. The course includes a review of the structure of the language, a variety of cultural and literary readings, and multiple opportunities for oral and written expression. These courses are not intended for AP preparation.

236 – HONORS SPANISH IV

Prerequisite: Spanish III

Grades 11 – 12

1 CREDIT

This course, along with Spanish AP the following year, will prepare the students for the AP exam. They will have an opportunity to study the grammar, literature, and culture in greater depth. Knowledge and skills are demonstrated by reading and discussing literary works, listening to, viewing, and discussing videos, writing compositions and impromptu essays, and preparing and presenting oral reports.

238 – AP SPANISH V

Prerequisite: Spanish IV

Grade 11-12

1 CREDIT

This course provides students with the opportunity to study in greater depth the history, culture, literature, and language of the Hispanic world and the application of such study to contemporary living. Students in this course read Hispanic literature as well as contemporary publications (newspaper, magazines) and write compositions in Spanish. They accelerate the listening comprehension through the use of CDs, tapes, and movies, and refine their speaking skills through continual class practice and discussion and recordings. Students prepare for the Advanced Placement Exam for college placement and credit.



- Alexis S.

PERFORMING ARTS

NOTE: Students enrolling in any of the performing groups must acquaint themselves with the required activities of these groups which sometime extend beyond the regular school day. Requirements may be obtained from music teachers.

CHORAL MUSIC

Choir – Beginning - Soprano/Alto
Choir – Beginning - Tenor/Bass
Choir – Intermediate - Mixed
Choir – Advanced Women’s
Choir – Advanced Mixed

INSTRUMENTAL MUSIC

Concert Band
Concert Orchestra
Jazz Lab
Symphonic Band

MUSIC APPRECIATION, THEORY, AND TECHNOLOGY

Music Appreciation and Literature
Music Theory I, II, III
AP Music Theory IV
Music Through Technology I, II, III
Music Theatre/Play Production
Piano 1

ACTING

Actors Workshop
Aspects of Acting

DANCE

Contemporary Dance I, II

INSTRUMENTAL MUSIC

752 – CONCERT BAND

Prerequisite: 8th grade band, previous training
or
approval of instructor

**Visual, Performing and Applied Art Credit
1 CREDIT**

Concert Band focuses on the intermediate performance skills that will prepare students for the advanced skills necessary for Symphony Band. Playing with mature tone and intonation are stressed, along with the ability to follow a conductor's beat. Students will also learn about basic music theory. Enrollment is limited to: flute, clarinet, oboe, bassoon, saxophone, trumpet/cornet, French horn, baritone, trombone, tuba and percussion (percussionists must be proficient with mallet instruments). All percussionists must audition for this class. Participation in rehearsals, sectionals and performances outside of class will be required as part of the student's grade. Some uniform fees/costs will be requested. Scholarship funds may be provided to qualified applicants to help defray this expense.

754 – SYMPHONIC BAND

Requirement: Audition required

**Visual, Performing and Applied Art Credit
1 CREDIT**

Symphonic Band provides the most advanced students with the opportunity to study and perform the finest musical literature available for band. Students play the music of great composers representing many periods of music. Participation in rehearsals, sectionals and performances outside of class will be required as part of the student's grade. Some uniform fees/costs will be requested. Scholarship funds may be provided to qualified applicants to help defray this expense.

PERFORMING ARTS (continued)

757 – CONCERT ORCHESTRA

Prerequisite: Previous training
Requirement: Approval of instructor

**Visual, Performing and Applied Art Credit
1 CREDIT**

Concert Orchestra meets the needs of students who have not yet mastered the skills necessary for Symphony Orchestra. Participation in the instructional class of the Concert Orchestra is limited to members of the string section: violin, viola, cello, string bass, and harp. Concert Orchestra may meet during the same hour as Symphony Orchestra. Special attention is given to individual tuning, proper bow usage, tone production, rhythm, and other musical skills. Participation in rehearsals, sectionals and performances outside of class will be required as part of the student's grade. Students enrolled in Orchestra will be expected to participate in Full Orchestra. Woodwind, brass and percussion players will be auditioned for Full Orchestra. Full Orchestra rehearsals will be held before school on a regular basis. Some uniform fees/costs will be requested. Scholarship funds may be provided to qualified applicants to help defray this expense.

753 – SYMPHONY ORCHESTRA

Requirement: Audition required

**Visual, Performing and Applied Art Credit
1 CREDIT**

Participation in the instructional class of the Symphony Orchestra is limited to members of the string section: violin, viola, cello, string bass, and harp. The Symphony Orchestra studies and performs fine orchestra music from all major periods of music history. Participation in rehearsals, sectionals and performances outside of class will be required as part of the student's grade. Students enrolled in Orchestra will be expected to participate in Full Orchestra. Woodwind, brass and percussion players will be auditioned for Full Orchestra. Full Orchestra rehearsals will be held before or after school on a regular basis. Some uniform fees/costs will be requested. Scholarship funds may be provided to qualified applicants to help defray this expense.

755 – JAZZ LAB

Requirement: Audition/Approval of instructor
or
.5 CREDIT with prior approval of department chair*

**Visual, Performing and Applied Art Credit
1 CREDIT**

Jazz Lab is designed to provide students with an introduction to the art of jazz music. Students will study the history of jazz, jazz theory, jazz performance and improvisation techniques. Skills will be refined through regular performances of standard jazz literature in small ensembles. Jazz Lab is intended for students who play the following instruments: trumpet/cornet, saxophone, trombone, guitar, string bass, electric bass, piano/keyboard, drum set/percussion. (Flute and clarinet players may enroll upon approval of instructor.) Students enrolled in Jazz Lab will have the opportunity to rehearse and perform with a school jazz band. Reading music is required.

** Permission to enroll for .5 CREDIT (one semester only) may be given because of schedule conflicts with graduation requirements or single section semester classes.*

NOTE: The configuration of instrumental classes may vary from year to year at the discretion of administrators in consultation with teachers in order to develop the optimal plan to enhance student learning.

CHORAL MUSIC**766 – CHOIR - BEGINNING - SOPRANO AND ALTO******Visual, Performing and Applied Art Credit
1 CREDIT**

Beginning Choir is a non-auditioned class that is open to all students who sing soprano or alto in grades 9-12. The essential purpose of the class is to provide a positive choral experience, which enables the student to communicate effectively within a group while developing greater self-esteem. Students will be introduced to a wide variety of choral literature including sacred, classical, music theater and contemporary music. Students will be required to attend scheduled rehearsals and performances during the school year. (Typical performances may include fall Spaghetti dinner, Cabaret concert, Fall Follies, Holiday concerts, MSVMA festivals, Spring concert, June Broadway concert.) A select ensemble may be formed from this class with rehearsals before and/or after school hours to prepare more advanced literature. Optional opportunities include summer workshops, all-school musical, honors choirs and private voice study. Some costume fees will be requested. Scholarship funds may be provided to qualified applicants to help defray this expense.

767 – CHOIR - BEGINNING - TENOR AND BASS****Visual, Performing and Applied Art Credit
1 CREDIT**

Beginning Choir is a non-auditioned class that is open to all students who sing tenor or bass in the grades 9-12. The essential purpose of the class is to provide a positive choral experience, which enables the student to communicate effectively within a group while developing greater self-esteem. Students will be introduced to a wide variety of choral literature including sacred, classical, music theater, and contemporary music. Students will be required to attend scheduled rehearsals and performances during the school year. (Typical performances may include fall Spaghetti dinner, Cabaret concert, Fall Follies, Holiday concerts, MSVMA festivals, Spring concert, June Broadway concert.) A select ensemble may be formed from this class with rehearsals before and/or after school hours to prepare more advanced literature. Optional opportunities include summer workshops, all-school musical, honors choirs and private voice study. Some costume fees will be requested. Scholarship funds may be provided to qualified applicants to help defray this expense.

**Depending upon enrollment, beginning choir may be an all female choir, an all male choir, or may be a combined male and female mixed choir.

768 – CHOIR - INTERMEDIATE MIXED

Requirement: Audition

**Visual, Performing and Applied Art Credit
1 CREDIT****Grades 10-11-12**

Intermediate Mixed Performing Ensemble chosen by audition. The purpose of this class is to provide a positive choral experience, which enables the student to communicate and develop both the musical knowledge and skills to perform a wide variety of musical styles and repertoire. Students will have the opportunity to perform music from classical, music theatre, vocal jazz and major works by master composers. Movement and staging will also be incorporated into the class. Students will be required to attend scheduled rehearsals and performances during the school year. (Typical performances may include fall Spaghetti dinner, Cabaret concert, Fall Follies, Holiday concerts, MSVMA Choral Festival, Spring concert and June Broadway concert.) This group may combine with Concert Choir I to prepare major works, which would require additional evening rehearsals to prepare. Optional opportunities include small ensembles to perform community service shows, summer workshops, all-school musical, honors choirs and private voice study and vocal jazz. Some costume fees will be requested. Scholarship funds may be provided to qualified applicants to help defray this expense.

PERFORMING ARTS (continued)

769 – CHOIR – ADVANCED WOMEN’S

Requirement: Audition

**Visual, Performing and Applied Art Credit
1 CREDIT**

Grades 10-11-12

Advanced Women’s Performing ensemble chosen by audition. The purpose of this class is to provide a positive choral experience, which enables students to communicate and develop both the musical knowledge and skills to perform a wide variety of musical styles and repertoire. Students will have the opportunity to perform more advanced music from classical, music theatre, vocal jazz and major works by master composers. Movement and staging will also be incorporated into the class. Students will be required to attend scheduled rehearsals and performances during the school year. (Typical performances may include fall Spaghetti dinner, Cabaret concert, Fall Follies, Holiday concerts, MSVMA festivals, Spring concert, June Broadway concert.) This group may combine with Concert Choir I to prepare major works, which would require additional evening rehearsals to prepare. Optional opportunities include small ensembles to perform community service shows, summer workshops, all-school musical, honors choirs, private voice study and vocal jazz. Some costume fees will be requested. Scholarship funds may be provided to qualified applicants to help defray this expense.

770 – CHOIR - ADVANCED MIXED

Requirement: Audition

**Visual, Performing and Applied Art Credit
1 CREDIT**

Grades 11-12

Advanced Mixed Choir is a mixed select performing ensemble which provides students with the experience of performing advanced choral and music theatre literature including oratorios, madrigals, vocal jazz and classical literature. This class demands excellent skills in sight-reading, pitch, tone perception and showmanship. Movement will be incorporated in the curriculum with scheduled after-school rehearsals required. Students perform at school concerts and events as well as community service performances. Students will be required to attend scheduled rehearsals and performances during the school year. (Typical performances may include Fall Concert and/or Fall Follies, Holiday Concert, MSVMA Festivals, Major Works Concert and Spring Broadway and/or Pops Concert.) Optional opportunities include small ensembles to perform community service shows, summer workshops, all-school musical, honors choirs, solo singing, private voice study and vocal jazz. Some costume fees will be requested. Scholarship funds may be provided to qualified applicants to help defray this expense.

MUSIC APPRECIATION, THEORY, AND TECHNOLOGY

771 – MUSIC APPRECIATION AND LITERATURE

.5 CREDIT

Music Appreciation and Literature is designed to take the students at their present level of musical understanding and expose them to a wider variety of music. The essential purpose of this class is to offer each student the opportunity to experience music in its many forms. Students listen to a wide range of recorded music composed by musical masters and contemporary artists. They also experience live performances such as the Detroit Symphony Orchestra, Michigan Opera Theater, and Fisher Theater Productions.

772 – MUSIC THEORY I

**Visual, Performing and Applied Art Credit
.5 CREDIT**

Music Theory I is a one-semester course designed for students who have had prior music experience in Choir, Band, Orchestra, and/or private study. Students will acquire basic skills in notation, composition, ear training and other fundamentals of basic music theory. These skills are of value to students who wish to use music as an avocation, pursue a career in music, or broaden their appreciation of music. Students may learn computer keyboard sequencing and music notation programs.

PERFORMING ARTS (continued)

773 – MUSIC THEORY II

Prerequisite: Music Theory I

or

passing Level I on the Theory Placement exam.

**Visual, Performing and Applied Art Credit
.5 CREDIT**

Students will build on the skills acquired in Music Theory I. Students will analyze 16th and 17th century chorales and compose new chorales; will learn transposition, study chords in relationship to scales and keys. Students will sequence in VISION, study ear training using GUIDO and enter a 16 bar two part harmony chorale, in AB form, into FINALE. Students will sight sing using Sol-fège in their own clef and identify all forms of Major and minor scales.

774 – MUSIC THEORY III

Prerequisite: Music Theory II

or

passing Level II on the Theory Placement exam.

**Visual, Performing and Applied Art Credit
.5 CREDIT**

Students will build on the skills acquired in Music Theory II and will compose and analyze 18th century chorales and learn Binary and Ternary form. Students will compose and enter a 16 bar four-part harmony chorales, in ABA form, with chord charts, into FINALE. Students will sight sing in both bass and treble clefs and identify all forms of major, minor and chromatic scales and modes, as well as ascending and descending simple and compound intervals.

775 – AP MUSIC THEORY IV

Prerequisite: Music Theory III

**Visual, Performing and Applied Art Credit
.5 CREDIT**

Students prepare to take the advanced placement test in Music Theory with the expectation of receiving college credit. Students analyze all chords in root position, plus all inversions - including 7th and pivot chords - and harmonize and compose using these chords. Students will enter a 24 bar original four-part harmony chorale - ABA form - into FINALE. Advanced ear training study will include identifying all chords and intervals.

776 – MUSIC THROUGH TECHNOLOGY I

**Visual, Performing and Applied Art Credit
.5 CREDIT**

Music Through Technology is designed to teach the basics of Musical Instrument Digital Interface (M.I.D.I.), including sequencing and orchestration. Students will use music keyboards, synthesizers and computers to experiment with synthetic sounds and learn to read and play notated music. Students will acquire and develop basic skills in music composition. This class can meet the needs of both performing and non-performing students who wish to learn more about music technology.

777 – MUSIC THROUGH TECHNOLOGY II

Prerequisite: Music Through Technology I

**Visual, Performing and Applied Art Credit
.5 CREDIT**

Grades 10-11-12

Music Through Technology II will further develop keyboard techniques and apply rules of theory to music composed through the medium of computers and sequencing software. Advanced sequencing skills including editing, quantizing, sampling, and using chord symbols will be taught. Students will learn notation and improvisational software programs. Students will write compositions to be performed in concert.

779 – MUSIC THROUGH TECHNOLOGY III

Prerequisite: Music Through Technology II

or

Approval of Instructor

**Visual, Performing and Applied Art Credit
.5 CREDIT**

Grades 11-12

Music through Technology III is an advanced class that builds upon the foundation, knowledge and skills gained in Technology I and II. Students learn more advanced skills in sequencing, composing, improvising and sampling in addition to working with harmonic software programs. Students will record and edit compositions.

PERFORMING ARTS (continued)

780 – MUSIC THEATRE/PLAY PRODUCTION

.5 CREDIT

(1 CREDIT for 2 consecutive semesters)

This course provides students with a working knowledge of the theatre and is designed for those who wish to study theatre from a production or directorial point of view. Through reading, research, and communication, students will study theatre/music theatre history. In addition, students will develop skills in set design & building, lighting design, sound design, publicity, costuming and stage managing, as well as an understanding of acting and music singing techniques. Participants in the class will attend various local and school productions and assist with productions within the school district. Students will be required to assist with district productions after school and evenings during the semester. This assistance could include painting, building sets, or working with lighting, costumes, and props.

781 – PIANO 1

.5 CREDIT

A beginning class of piano, where students learn the fundamentals of playing piano on their individual keyboard in a lab setting. The student will learn notation, how to play scales, rhythm notation and how to play the rhythm, chords and basic one and two handed songs related to the piano keys. Students will apply what they learn on the synthesizer to an acoustic piano several times during the semester in a class performance.

ACTING

786 – ASPECTS OF ACTING

Visual, Performing and Applied Art Credit

.5 CREDIT

This course is designed to discover and expand performance skills at all levels; no acting experience is necessary. Script and character analysis, along with the study of acting technique, are used to enhance talent. Special emphasis is placed on movement, gesture, voice, and diction. In-class exercises and discussion, theatre games, and attendance at professional or local productions are used to achieve these goals. Scenes will be performed in class with the ultimate goal of performing for assemblies, special events, and possibly in one of the major school productions.

787 – ACTORS WORKSHOP

Requirement: Successful completion of Acting I

or

Teacher recommendation

Visual, Performing and Applied Art Credit

.5 CREDIT

Grades 10-11-12

This course is designed for the serious acting student and is open to those who successfully complete Acting I and/or show sufficient promise or talent through audition with the instructor. It will provide an in-depth study into the craft of acting, play script analysis, and performance techniques designed to enhance both your talents and your understanding of the demanding work of today's professional actor. Students prepare a variety of scenes and monologues, experiment with directing and design techniques, attend local performances, and are encouraged to participate in school productions.

DANCE

788 – CONTEMPORARY DANCE I

.5 CREDIT

This course is designed for students with little or no dance experience. Students learn dance techniques of classical ballet, jazz and tap while emphasizing dance history and the choreographers whose work is relevant to today's performances. They will attend a dance performance as well as discuss dance and its relationship to other fine and performing arts. This course culminates in a stage and/or studio dance concert.

789 – CONTEMPORARY DANCE II

Prerequisite: Contemporary Dance I

Requirement: Teacher recommendation

.5 CREDIT

This class is designed for students who already possess a basis in ballet, jazz or tap and have demonstrated their skill/proficiency by auditioning for the instructor. It is a continuation and refinement of the knowledge and skills learned in Contemporary Dance I while developing student choreography and may collaborate with the high school musical or other performances. This course culminates in a stage and/or studio dance concert.

PHYSICAL EDUCATION

Physical Education

Grade 9 or 10

Developmental Learning Program Physical Education

North Only

ELECTIVES:

Individual Sports & Lifetime Activities

Lifeguard Training And CPR Certification

Officiating

Personal Fitness

Team Sports

Weight/Strength Training

901 – PHYSICAL EDUCATION

Required Course

Grade 9 or 10

1 CREDIT

Students will be working toward personal development of upper body strength, core strength, cardiovascular endurance, flexibility and agility. They will also be required to participate in several lifetime activities such as: Speed Walking/Jogging, Volleyball, Speed/Flag Football, Basketball, Soccer, Floor Hockey, Swimming, Strength Training, Racquet Sports, and various games which are geared to promote the development of their overall fitness. Students will study appropriate health topics and fitness concepts; i.e. benefits of exercise, strength development, cardiovascular endurance, proper body weight and body composition, and diseases/problems associated with a sedentary lifestyle. Along with fitness development, students will also have the opportunity to participate in a CPR certification course.

988 – DEVELOPMENTAL LEARNING PROGRAM

NORTH

1 CREDIT

- PHYSICAL EDUCATION

Requirement: Prior approval of the instructor is required.

PHYSICAL EDUCATION ELECTIVES

904 – INDIVIDUAL SPORTS AND LIFETIME ACTIVITIES

.5 CREDIT

Students concentrate on developing fundamental skills to accelerated levels in lifetime activities. The classroom setting will have competitive and non-competitive situations with emphasis placed on strategy and rules in lifetime activities. The basic objectives of this course are individual improvement and development of individual skills. Units: Racquet Sports, Golf, Aerobics, Swimming, Track and Field, Weight Training and Fitness.

905 – LIFE GUARD TRAINING AND CPR CERTIFICATION

.5 CREDIT

Requirement: Student must be 15 years of age by the end of the course (American Red Cross Standard)

This Physical Education elective course will follow the American Red Cross Life Guarding curriculum and, for students who wish to pay the fee, will provide Red Cross certification for Life Guarding, CPR/Professional Rescuer, and First Aid. Students will take a written as well as practical test in Life Guarding, Cardiopulmonary Resuscitation, and First Aid. Written parental permission is required for this class. Students wishing to purchase their textbook at the end of the course to use as a reference may do so as well.

PHYSICAL EDUCATION (continued)

906 – OFFICIATING

5 CREDIT

This course is designed for those students interested in seeking future employment as an Official. There are many opportunities within our own community: Neighborhood Club, Youth Sports clinics. Students will gain knowledge of the rules and its proper application as it relates to the following sports: Basketball, Soccer, Softball and Volleyball. Students who satisfy the MHSAA requirements (18 years old) and successfully complete this course will receive certification. Students may also choose to seek additional certification in the areas of Ice Hockey, Field Hockey and Lacrosse.

907 – PERSONAL FITNESS

.5 CREDIT

The class is designed to emulate a health club atmosphere. Participation will include exercising with resistance machines, treadmills, stationary bikes, elliptical riders, aerobic videos and related activities. Each student will gain knowledge of nutrition and its role in overall fitness, how to increase and maintain cardiovascular endurance, develop body awareness, increase strength and flexibility, and design a personal fitness program.

908 – TEAM SPORTS

.5 CREDIT

Students concentrate on developing fundamental skills to accelerated levels in team sports. The classroom setting will be competitive situations with emphasis on strategy and rules in team sports. The basic keys of this course are sportsmanship and teamwork, with emphasis on improvement on individual skills. Units: Flag Football, Soccer, Softball, Basketball, Volleyball.

909 – WEIGHT/STRENGTH TRAINING AND CONDITIONING

.5 CREDIT

Students choose a personal exercise goal. Individuals will select the appropriate program intensity for him/her. Students may train for specific sports or related activities. A general lifting program is also available for the person seeking total fitness. Student's progress will be monitored regularly and adjustments made when necessary.

SCIENCE

REQUIREMENTS: Students are required to complete 3 credits in science. Students must take science in either 9th or 10th grade - 9th is strongly recommended

The required 3 credits must include:

- 1 CREDIT in Biology
- 1 CREDIT in either Chemistry or Physics
- 1 CREDIT in other Science

RECOMMENDED: Students who plan a four-year college experience should take at least 1 more credit in foundational science courses.

Foundational Biological Science Courses

Biology
Honors Biology

Foundational Physical Science Courses

Chemistry
Honors Chemistry
Earth Science
Honors Earth Science
Physics
Honors Physics

Elective Biological Science Courses

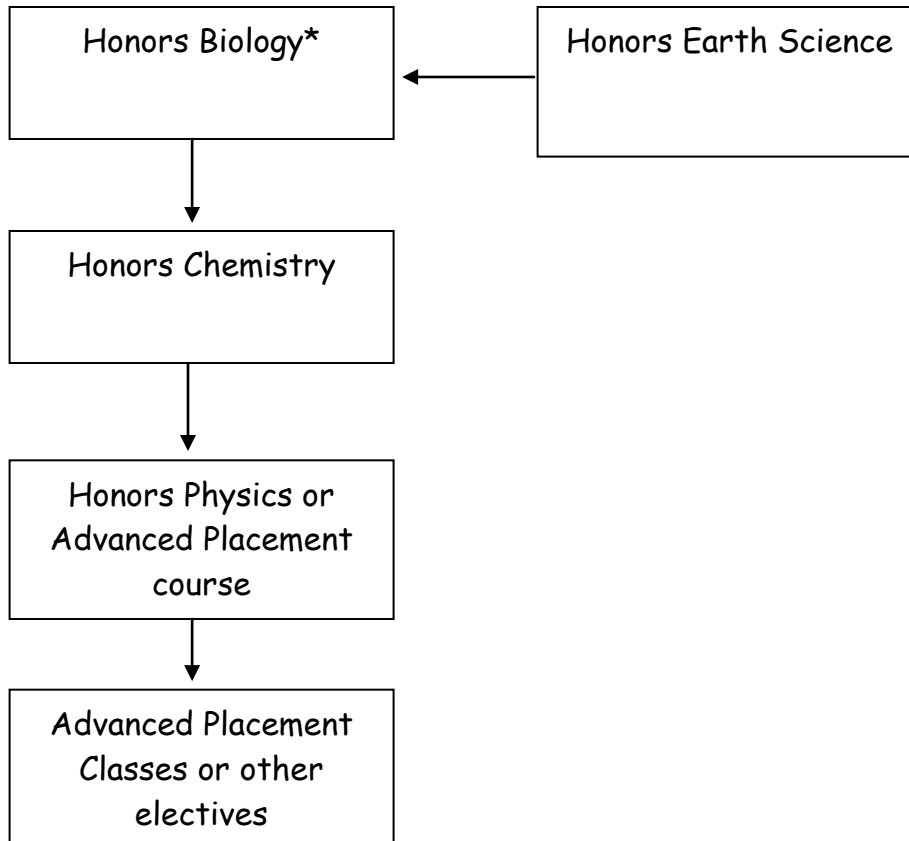
AP Biology
AP Environmental Science
Applied Medical Research with Clinical Investigations (NORTH) open to students at both schools PILOT
Environmental Science
Microbiology
Physiology

Elective Physical Science Courses

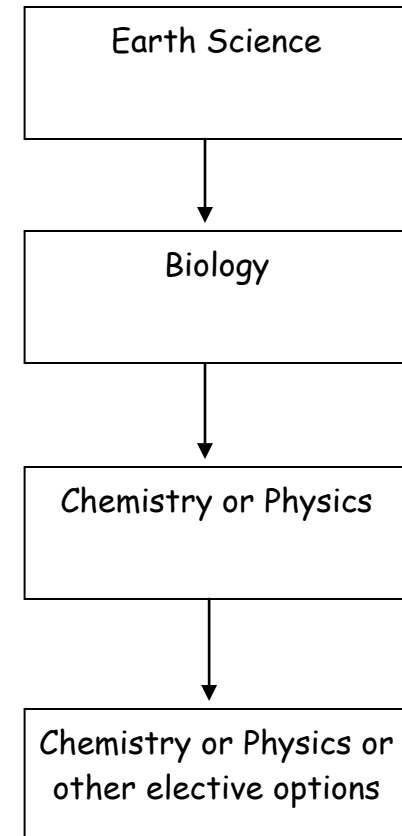
Astronomy (NORTH) open to students at both schools
Advanced Topics in Astronomy (NORTH) open to students at both schools
AP Chemistry
Environmental Science
AP Environmental Science
AP Physics
Geology
Introduction to Robotics (SOUTH) open to students at both schools PILOT

RECOMMENDED SCIENCE SEQUENCES

Accelerated Honors/ Honors Science Sequence



College Preparatory Science Sequence



AP Courses and Other Electives

AP Biology, AP Chemistry, AP Physics, AP Environmental Science, Astronomy, Advanced Topics in Astronomy, Applied Medical Research and clinical Investigations, Environmental Science, Geology, Microbiology, Physiology, Robotics

Some Horizontal movement across sequences is allowed and expected.

*Students should be enrolled in Honors Geometry or higher level math

FOUNDATIONAL COURSES

407 – EARTH SCIENCE

Grade 9

1 CREDIT

Earth Science is a lab-oriented, hands-on course that introduces students to the four main spheres of the Earth system: geosphere (solid Earth), hydrosphere (fluid Earth), atmosphere (gaseous/fluid Earth), and biosphere (living Earth). Students will study interactions between the four spheres, appreciate the amazing power of the natural world around them, and become scientifically informed citizens. Earth Science integrates concepts in Biology, Chemistry, and Physics, and teaches the essential and core content expectations that will be tested by all juniors on the Michigan Merit Exam.

408 – HONORS EARTH SCIENCE

Requirement Algebra I or Geometry

Grade 9

1 CREDIT

Honors earth science is a highly challenging course designed for students continuing in honors science (including Advanced Placement) courses for four years. The content of this lab-oriented, hands-on course are the four main spheres of the Earth system: geosphere, hydrosphere, atmosphere, and biosphere. Through critical thinking and use of mathematical skills, students will study interactions between the four spheres, appreciate the amazing power of the natural world around them, and become scientifically informed citizens. Integrating concepts in Biology, Chemistry, and Physics, Honors Earth Science teaches students an in-depth understanding of the essential and core content expectations tested by all juniors on the Michigan Merit Exam.

405 – BIOLOGY

Students may receive credit for one Biology 404 *or* 405

Grades 10-11-12 (primarily 10th)

1 CREDIT

This is a lab-oriented overview of living processes, anatomy, classification, major theories (cell, germ, gene, evolution), similarities and diversity in life forms, heredity, the biological basis for behavior, and the relationships of living things with one another and the environment. College-bound students wishing a survey course in biological science will find this course stimulating and informative. There is an emphasis on cell biology and biochemistry of living things in this lab-oriented general overview of the general knowledge an educated person needs to understand the technological progress being made. This course is designed for the college-bound student, but does not reach the depth of Honors Biology.

404 – HONORS BIOLOGY

Recommendation for 9th grade: concurrent enrollment in Honors Geometry

Students may receive credit for one Biology 404 *or* 405

Recommendation for 10th grade: Geometry CP or higher

Grades 9-10

1 CREDIT

Honors Biology is a highly challenging course using Biological Sciences Curriculum Study materials in studying the diversity of living things and their dynamic process. Emphasis is placed upon understanding how living systems work. A biochemical approach is used to study cellular processes and systems of the body including human genetics. Laboratory exercises repeat landmark discoveries which shaped scientific thinking in the development of major theories (cell, germ, gene, evolution.) Students wanting a challenging science should elect 404 as it prepares for advanced study in biology, health, and the environment.

412 – CHEMISTRY

Pre or Co-requisite: Algebra I

Students may receive credit for one chemistry: 411 *or* 412

Recommended: Enrollment in Algebra II

Grades 11-12

1 CREDIT

This Chemistry course is designed for students interested in chemistry but who may not be considering a career in the sciences. The same problem solving skills that are used in Algebra are implemented in this course. Typical activities are discussion sessions, demonstrations, lab work, lab work, problem solving, and projects. Students approach Chemistry from a quantitative basis; the experimental basis of theory is stressed. This Chemistry course is a college preparatory science offering (see also Honors Chemistry 411).

FOUNDATIONAL COURSES (continued)

411 – HONORS CHEMISTRY

Prerequisite: Algebra I
Pre or Co-requisite: Algebra II CP or Honors Algebra II
Recommended: Enrollment in Algebra II *or* Honors Algebra II
Students may receive credit for one chemistry: 411 *or* 412

Grades 10-11-12

1 CREDIT

The Honors Chemistry course is designed for college-bound students aiming for later advanced college experiences in science. The learners consider the underlying principles and theories of chemistry. Topics covered include, but are not limited to, qualitative and quantitative relationships involving atomic theory and structure, mole-mass relationships, chemical reaction types and stoichiometry, chemical bonding, molecular geometry, chemical equilibrium, acid-base models and pH, thermochemistry, chemical thermodynamics, kinetics and electrochemistry. Students approach Chemistry from a quantitative basis; the experimental basis of theories is stressed. Students may expect typical activities such as discussion sessions, demonstrations, and lab work carefully integrated with the other activities. Technology is used when applicable.

422 – PHYSICS

Prerequisite: Algebra I and Geometry
Students may receive credit for one physics class: 421 *or* 422

Math Related Credit

Grades 11-12

1 CREDIT

Physics is a general survey course for students who are interested in physics but do not plan a career in science or engineering. It is also directed to those students who may have to take physics or physical science in college. A background in trigonometry is not assumed. Major topics include kinematics, dynamics, optics, waves, electricity, and magnetism.

421 – HONORS PHYSICS

Prerequisite: Algebra I, II, and Geometry
(Pre-Calculus also preferred)

Students may receive credit for one physics class: 421 *or* 422

Math Related Credit

Grades 11-12

1 CREDIT

This course is designed for high ability math students who plan a career in engineering or the sciences and anticipate having to take a physics course in college. Students with a background in trigonometry will find problem-solving easier. Major topics include kinematics, dynamics, optics, waves, electricity and magnetism.

ELECTIVE COURSES - BIOLOGICAL SCIENCE

445 – AP BIOLOGY

Prerequisite: Honors Biology 404 and Honors Chemistry 411
or

Honors Biology and approval of department chair

Grades 11-12 (10th with approval of department chair)

1 CREDIT

The curriculum of AP Biology parallels that of a freshman level college biology course. The content is from three areas: Molecules and Cells, Heredity and Evolution, and Organisms and Populations. The approach to learning concentrates on topics, concepts, and themes rather than memorization of facts. Lab work, much of which has been developed by the AP Biology Development Committee, is a significant form of assessment.

450 – ENVIRONMENTAL SCIENCE

Prerequisite: Biology 405 *or* Honors Biology 404

Grades 10-11-12

1 CREDIT

Environmental Science is a choice to be considered for the college-bound student who wants to complete a 40-50 credit science sequence. Students are introduced to complex environmental issues. This course will raise student awareness by investigating causes, effects, and devising solutions for today's and tomorrow's ecological dilemmas. Topics include ecosystems, wildlife, populations, pollution, energy concerns, land use, conservation, food additives, health, and career options. Activities include individual and group projects, field trips, lab work, technology applications, research, and collaborative discussions. Environmental science lends itself to be taken concurrently with other science electives.

ELECTIVE COURSES (continued)

451 – AP ENVIRONMENTAL SCIENCE

Prerequisite: One biological science, one physical science

Grades 11-12

1 CREDIT

Advanced Placement Environmental Science offers curriculum equivalent to a freshman level college course. Course contents include the study of ecological principles, human resources, environmental quality, and wilderness management. Emphasis is placed on gathering, analyzing and interpreting data through a variety of laboratory experiences. Activities include lectures and discussions, experimentation, field work, research and projects.

491 – PHYSIOLOGY

Prerequisite: Successful completion (B or better) in Biology

Grades 10-11-12

.5 CREDIT

This is a basic course covering essential concepts of human physiology. The various topics include the study of cell biology and the integration of physiological body systems. The study of these components will involve an understanding of four major areas of: organization of the body; skeletal movement and muscles; the nervous and sensory systems; and body maintenance-blood/cardiovascular system, respiratory system. This course deals specifically with human physiology, with its main purpose to increase your knowledge and understanding of how the human body works. The course is organized to progress from the cellular level, to integrated system functioning (e.g., cardiovascular, pulmonary, etc.) to the total body. Lab experiments in the course are related to physiology and therefore, provide the necessary background for understanding the chemical and physical phenomena that underlie the structure and function of the systems of the human body. Upon successful completion of this course you will come to appreciate yourself as a “wonderfully made being.” This course will provide a solid foundation to build upon in the pre-medical and dental college curriculum.

492 – MICROBIOLOGY

Prerequisite: Successful completion (B or better) in Biology

Grades 10-11-12

.5 CREDIT

Microbiology is concerned with an in-depth examination of the microbial world. A basic background in chemistry may be helpful in understanding the concepts of microbiology; although chemistry is not a prerequisite to the course. This is a lab based class with studies in microscopy, morphology, growth and classification of microorganism; method of cultivation, isolation, and staining methods of microorganism; media preparation for microorganism; and microbial identification. Students will learn proper techniques used in microbiology lab in order to investigate, identify and classify microbes. This course will provide background for students interested in a pre-medical and dental college curriculum.

493 – Applied Medical Research with Clinical Investigations

NORTH PILOT

Prerequisites: Senior Status **and** successful completion of Biology (B or better) and Chemistry (Honors level preferred)
Recommended: AP Biology *or* Physiology *or* Microbiology **and** Physics *or* concurrent enrollment in Physics

Grade 12

1 CREDIT

Applied Medical Research with Clinical Investigations provides upperclassmen, who are strongly motivated to pursue a career in medicine, a broad exposure to clinical rounds and medical research. Shadowing experience in clinical rounds at hospitals, doctor’s offices, and at University research departments highlight the learning in the course. Class seminars, both didactic and collaborative, deepen understanding of pathophysiology and present challenging

ELECTIVE COURSES - PHYSICAL SCIENCE

413 – AP CHEMISTRY

Prerequisite: C in Honors Chemistry 411

or

department chair approval

Grade 11 or 12

1 CREDIT

Students prepare for the advanced placement (AP) test by enrolling in this college-level chemistry course. Success on the AP test and the advanced laboratory experiences may lead to second-year work in the college chemistry sequence while still freshmen or to immediate work in other fields where general chemistry is a prerequisite, or to savings of some college costs. In AP chemistry, basic concepts already studied are extended, e.g. structure is studied from atomic models through applications with coordinator compounds. There is much opportunity for working in the laboratory.

423 – AP PHYSICS

Prerequisite: Honors Physics

Requirement: Concurrent enrollment in calculus

Math Related Credit

Grade 12

1 CREDIT

This course prepares students for the AP Physics C level Mechanics exam. Students will learn to apply the calculus to solve physics problems. Class activities will include demonstrations, lectures, labs, computer simulations, computer based labs, computer analysis of data, and an abundance of problems. In addition to a thorough preparation for the exam, students will also study other topics from introductory college physics.

450 – ENVIRONMENTAL SCIENCE

Prerequisite: Biology 405 *or* Honors Biology 404

Grades 10-11-12

1 CREDIT

Environmental Science is a choice to be considered for the college-bound student who wants to complete a 40-50 credit science sequence. Students are introduced to complex environmental issues. This course will raise student awareness by investigating causes, effects, and devising solutions for today's and tomorrow's ecological dilemmas. Topics include ecosystems, wildlife, populations, pollution, energy concerns, land use, conservation, food additives, health, and career options. Activities include individual and group projects, field trips, lab work, technology applications, research, and collaborative discussions. Environmental science lends itself to be taken concurrently with other science electives.

451 – AP ENVIRONMENTAL SCIENCE

Prerequisite: One biological science, one physical science

Grades 11-12

1 CREDIT

Advanced Placement Environmental Science offers curriculum equivalent to a freshman level college course. Course contents include the study of ecological principles, human resources, environmental quality, and wilderness management.

Emphasis is placed on gathering, analyzing and interpreting data through a variety of laboratory experiences. Activities include lectures and discussions, experimentation, field work, research and projects.

486 – GEOLOGY

Grades 11-12 (10th graders with approval of department chair)

1 CREDIT

In this course, students will develop and apply investigative techniques to explore the Earth's surface and interior processes. Students will consider geologic problems such as the dwindling of mineral resources, geologic hazards, erosional implications, and managing water resources. Hands-on activities, including virtual field trips, will deepen student understanding. This course will emphasize Michigan geology, and extend studies to the formation of natural wonders such as Niagara Falls, the Grand Canyon, Hawaiian Volcanoes, and Yellowstone's geysers. Opportunities for students to grow in their understanding of general geologic processes and the techniques used to study them will be integrated throughout this course.

Note: Students wishing to take an optional exam may receive college credit with a passing grade on the exam.

ELECTIVE COURSES (continued)

494 – ASTRONOMY

NORTH

Prerequisite: A year of science

Requirement: Completion of Algebra I

Grades 10-11-12

.5 CREDIT

Astronomy is a course that presents a general inventory of the universe, from solar system bodies to galaxies. Students consider theories about the scale, content and motion of objects in space from both historical perspectives and through the use of current technologies. The course work involves field exercises, lab work and planetarium experiences.

499 – ADVANCED TOPICS IN ASTRONOMY

NORTH

Prerequisite: C in Introduction to Astronomy

Grades 10-11-12

.5 CREDIT

This course emphasizes techniques of field observation, scientific research and planetarium production. It prepares students for a future career in any area of science research or an astronomy-related job. It also develops the skills necessary for a hobby of amateur astronomy. Students will learn how to operate telescopes and imaging systems. They will also conduct authentic research, and will work in a group to produce their own planetarium show.

490 – INTRODUCTION TO ROBOTICS

SOUTH

PILOT

Grades 10-11-12

1 CREDIT

This will be a rigorous and challenging class which will appeal to those considering Engineering as a career choice. The Curriculum comes from Carnegie-Mellon University, well known for their Robotics focus. It will be both theoretical and practical, with students working in two-person teams. Each team will have their own VEX Robotics Kit to work with. Students will learn about mechanical systems, programming, and control systems. Students will also study the Engineering design process, and create robots to meet specific challenges.



- James M.

SOCIAL STUDIES

Class of 2010

REQUIRED: Three or more credits in high school Social Studies which must include one option from each of the three groups I, II, III listed below:

GROUP I

Government Courses

(one selection required)

American Government (.5) **AND** Economics (.5)
or AP United States Government and Politics (.5)
AND AP Microeconomics (.5) **or** AP Macroeconomics (.5)
or AP United States Government and Politics (.5)
AND Economics (.5)

GROUP II

United States History Courses

(one selection required)

United States History and Geography (1)
or AP United States History (1)

GROUP III

Global Education Courses

(one selection required)

World History and Geography (1)
Honors World History and Geography (1)

Class of 2011 and Beyond

Required Courses:

- World History and Geography
or Honors World History and Geography (1)
- U. S. History and Geography **or** AP U. S. History (1)
- American Government (.5) **or** AP US Government and Politics (.5)
AND Economics (.5) AP Macroeconomics (.5) **or** Microeconomics (.5)

ELECTIVES

AP United States Government and Politics (.5)	American Legal System (.5)
AP European History (1)	Anthropology (.5)
AP Macroeconomics (.5)	Consumer Economics (.5)
AP Microeconomics (.5)	Psychology (.5)
AP Psychology (.5)	Sociology (.5)

SOCIAL STUDIES SEQUENCES FOR HIGH SCHOOL

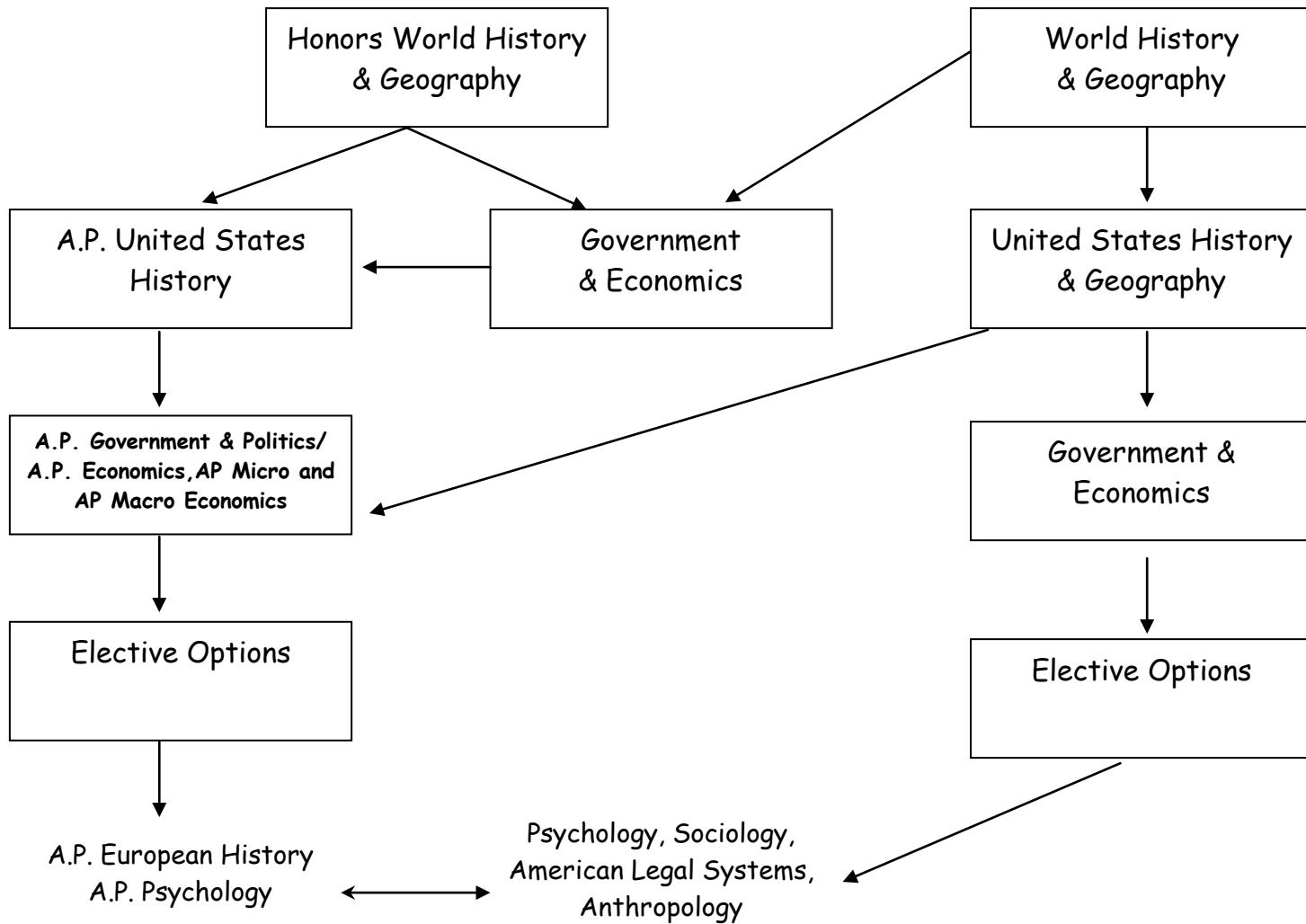
Accelerated Honors/ Honors Social Studies Sequence

College Preparatory Social Studies Sequence

9th

10th -
12th

08



▲
Horizontal movement across sequences is allowed and expected.

REQUIRED COURSES

523 – ECONOMICS

Grades 10-11-12

.5 CREDIT

Economics examines the principles and problems of the free enterprise system. It gives students an understanding of the market economy: what it is, how it developed, and how it works. They examine the price system, principles of money and banking, and theories and practices of credit and marketing. Other topics include choices of business and other organizations, role of the government, other economic systems, international trade and globalization, and personal finance. The national income is analyzed.

521 – AMERICAN GOVERNMENT

Grades 10-11-12

.5 CREDIT

Students in American Government study federal, state, and local government as well as current issues with emphasis on the federal level. In addition to meeting part of the Social Studies graduation requirement, this course is designed for students who contemplate a career in law, public administration, business, or politics.

511 – UNITED STATES HISTORY AND GEOGRAPHY

Grades 10-11-12

1 CREDIT

Beginning with the period of Industrialization, students will examine and analyze the history of the United States from the late nineteenth century to the present through a study of our politics, geography, culture, economy, and foreign policy. Students will develop numerous thinking, writing, communications, and technological skills through the use of primary and secondary sources.

512 – AP UNITED STATES HISTORY AND GEOGRAPHY

Grades 10-11-12

1 CREDIT

The Advanced Placement course in U.S. History makes demands on students equivalent to those of an introductory college course. In addition to a thorough study of historical developments and facts, students examine their context and significance. Students read analytically and critically to evaluate historical evidence and interpretations, and to form conclusions on the basis of knowledgeable judgment. Students use college-level history books supplemented with monographs and primary sources, and are expected to engage in substantial independent reading and study. Students take the A. P. U.S. History College Board exam with the expectation of receiving college credit.

572 – WORLD HISTORY AND GEOGRAPHY

Grades 9-10

1 CREDIT

World History and Geography takes a global and comparative approach to studying the world and its past to develop greater understanding of the development of worldwide events, processes, and interactions among the world's people, cultures, societies, and environment. The expectations are organized using both time and space to engage students in cross-temporal and cross-regional studies. Integrating geography and history, the content expectations are organized within historical eras and different geographic scales. That is, within each era students work at three interconnected spatial scales: the global, interregional, and regional. Beyond comparing historical events and cultures across time and space, students are encouraged to compare their own values with those of other cultures, to investigate special topics of interest, to examine multiple and varied information sources, to seek multiple causes for events, to analyze and interpret ideas and events, and to develop conclusions of their own.

573 – HONORS WORLD HISTORY AND GEOGRAPHY

1 CREDIT

Grade 9

Honors World History and Geography emphasizes a more in-depth development of topics (see World History) at a faster pace and with increased rigor in writing, use of primary source material, including research and analysis. This course is designed to be challenging to freshmen with a high interest in Social Studies who are likely to continue high school social studies at the Advanced Placement level.

ELECTIVE COURSES

522 – AP UNITED STATES GOVERNMENT AND POLITICS

Grades 11-12

.5 CREDIT

The A.P. course in American Government and Politics is designed to help students acquire a critical perspective on government and politics in the United States. The course develops the ability to analyze and interpret readings, data, and other sources of information dealing with the complexities of the American democratic system. Expectations and requirements are comparable to an introductory American Government college course. North HS requires a summer project.

504 – AP EUROPEAN HISTORY

Comment: It is helpful for students to complete AP United States History in Grade 11

Grades 11-12

1 CREDIT

The purpose of this course is to give select interested students the opportunity to study in depth some of the most significant developments and ideas in European history. Emphasis is given to questions in intellectual-cultural and social-economic history as well as the traditional political-diplomatic subjects. The course focuses primarily on the period from the Renaissance to the present (approx. 1450-1990). Students prepare to take the AP Test in European History with the expectation of receiving college credit.

526 – AP MICROECONOMICS

Math Related Credit

Grades 11-12

.5 CREDIT

A.P. Microeconomics is a college level economics course designed to give students a thorough understanding of the basic principles of economics--scarcity, opportunity costs and production possibilities, specialization, and comparative advantage. It also examines the nature and function of product markets--supply and demand, consumer demand, production costs and revenues, product pricing and outputs, competition, and efficiency. It also looks into the role of government in promoting greater efficiency and equity in the economy. Since sound economics is vital to democratic government and business success, this course is especially relevant to the needs of students who have a serious interest in the college study of government and business.

527 – AP MACROECONOMICS

Prerequisite: Successful completion of the
AP Microeconomics course *or* equivalent,
or
permission of the teacher.

Math Related Credit

Grades 11-12

.5 CREDIT

Macroeconomics AP is a college level economics course designed to give students a thorough knowledge and understanding of the economic principles that apply to the economy as a whole. The course stresses the study of national income and price determination, economic performance measures, economic growth, and international economics. The course syllabus is aligned with the course content designed by the College Board's Advanced Placement Program.

536 – AMERICAN LEGAL SYSTEM

Grades 11-12

.5 CREDIT

This course assists students approaching the age of adulthood in adjusting to their new rights and responsibilities. Critical thinking exercises are used to study individual roles, family responsibility, law, criminal and civil offenses and the workings of the U.S. legal system.

576 – ANTHROPOLOGY

Grades 10-11-12

.5 CREDIT

Anthropology is designed to give students an understanding of what it means to be human:

- a. Man's earliest ancestors and their physical and cultural development;
- b. Man's primitive ancestors still living today and what they reveal about the origins of our modern behavior;
- c. Man's past civilizations as revealed through the techniques of archaeological field study and reconstruction; and
- d. Man's adaptation to cultural change.

SOCIAL STUDIES (continued)

571 – PSYCHOLOGY

Grades 11-12

.5 CREDIT

Psychology is a course that helps students to better understand the inner workings of the human mind. An overview of the field of psychology is examined as well as the biological aspects and psychological development of humans. The shaping of personality as well as the study of emotion is explored. From a practical aspect, learning about stress and coping provide a student with invaluable information that can be used throughout the student's life.

570 – AP PSYCHOLOGY

Grades 11-12

.5 CREDIT

Students will increase their understanding of the systematic and scientific study of human and animal behavior. Students will be exposed to the various psychological theories, facts, principles and phenomena associated with each of the major sub-fields within the discipline. The increased knowledge gained through psychological inquiry will assist students in developing their perceptions about the world around them, gaining insights into their own and other's behavior and increase their appreciation of the complexity of human behavior.

525 – SOCIOLOGY

Grades 10-11-12

.5 CREDIT

Sociology appeals to students concerned about culture socialization, family, stratification, discrimination, poverty, marriage and divorce, child abuse and violence. Students explore these topics by means of class discussion, readings, guest speakers, films, role-playing, research group and individual projects.

TECHNOLOGY EDUCATION

PERSONAL/INDUSTRIAL

Architecture I, II, III
Automotive Technology (NORTH)
Construction Technology (SOUTH)
Engineering Graphics I, II, III, IV
Introduction to Basic Car Care (NORTH)
Small Engine Repair (SOUTH)
Survey of Engineering Graphics

CAREER

Automotive Vocational (NORTH)
Computer Aided Drafting (CAD) Engineering
Technology Applications
Trade and Industry Co-op

852 – SMALL ENGINE REPAIR

SOUTH

.5 CREDIT

This course provides a semester of experiences in theory, application, maintenance, and safe operation of a four-stroke-cycle engine. As students disassemble and reassemble an engine, they learn about small engine construction. Preventive maintenance as well as trouble-shooting and repair is stressed. All systems (carburetion, lubrication, ignition, etc.) are covered in lectures, films, discussions, demonstrations, and hands-on experiences. Students are encouraged, but not required, to bring in their own engines for disassembly, repair, and reassembly.

859 – TECHNOLOGY APPLICATIONS

Grades 9-10

.5 CREDIT

This course introduces students to new technologies. Students are involved in class projects using computer applications. Projects are designed to teach students how to solve technology related problems through practical, hands-on activities.

860 – ENGINEERING GRAPHICS, SURVEY OF

.5 CREDIT

Survey of Engineering Graphics is a semester course which offers a brief introduction to the world of design. The class will cover the basics of mechanical and architectural drafting. Students will learn to express design ideas using the universal language of lines, symbols and numbers. Students will use traditional drawing methods as well as powerful CAD (Computer Aided Design) systems.

861 – ENGINEERING GRAPHICS I

(Not for those who have completed 860)

1 CREDIT

Engineering Graphics I is designed for students whose career interest may include design, engineering and manufacturing. Students will study the design process using a universal graphics language. Instruction will include use of drawing instruments, geometric construction, multi-view projection, pictorial drawing, and architectural design. Over 70% of the time will be spent using CADKEY 3D solids modeling software.

862 – ENGINEERING GRAPHICS II

Prerequisite: Engineering Graphics I

or

Survey of Engineering Graphics

1 CREDIT

Grades 10-11-12

Engineering Graphics II is an advanced course in graphics communications. Students become acquainted with the surface representation of machine parts --their size, shape, and overall construction. Students work with problems related to sectioning, auxiliary views, fasteners, threads, detail, and assembly drawings. CADKEY 3D Solids Modeling software will be the basic tool for the class. This class will provide preparation for future engineering studies.

TECHNOLOGY EDUCATION (continued)

864 – CAD ENGINEERING

Requirement: Course is not for students who have or will be taking 860, 861, or 862

Grades 11-12

.5 CREDIT

Computer-Aided-Drafting (CAD) is available for students who have a career interest in engineering or technical drafting and design. The CAD classroom will be used to teach basic drafting principles using CADKEY 3D Solids Modeling software. Architectural CAD will be covered briefly as students design kitchens and houses using ChiefArchitect. The class assumes no prior knowledge of drafting or computer graphics.

865 – ENGINEERING GRAPHICS III

Prerequisite: Engineering Graphics II
or

Survey of Engineering Graphics

866 – ENGINEERING GRAPHICS IV

Grades 10-11-12

1 CREDIT

For those students who are planning on a career in engineering or manufacturing, a third and fourth year of drafting is appropriate. Students will continue to use the most current versions of CADKEY and Rhino 3D, as they go deeper into the field of Product Design. Students will build more complex designs, having multiple parts and linked assemblies. They will use current GDT (Geometric Dimensioning and Tolerancing) techniques, Surfcam, CNC mill and lathe, and possibly rapid prototyping.

867 – ARCHITECTURE I

Grades 10-11-12

1 CREDIT

This class will teach the fundamentals of residential construction. Working with Chief Architect, a commercial application used by numerous architects and designers, students will design one (1) 1-2 story house of approximately 2500 square feet each semester. Students will learn what constitutes good design, and how local building codes affect the design. A full house plan will be completed each semester and will include pictorials, plot plans, floor plans, elevations, sections and details. The plans will be accurately detailed so that a building department would issue a permit to build the house.

869 – ARCHITECTURE II

Prerequisite: Architecture I

880 – ARCHITECTURE III

Prerequisite: Architecture II

Grades 10-11-12

1 CREDIT

Students will work on a residential design of approximately 3500 sq. ft. using increased CAD detail and terrain features of the software. As a culminating project, a model of the design will be built. In their third year, students will branch out into the light commercial area of architecture, and learn more about actual construction methods and materials.

871 – AUTOMOTIVE TECHNOLOGY

NORTH

Grades 10-11-12

1 CREDIT

Automotive Technology is designed to familiarize students with the various components of the automobile from a consumer's point of view. They study operation, maintenance and diagnostic procedures. Students gain hands-on experience by using a variety of service equipment. Students can provide automobiles for application of techniques required to diagnose and repair malfunctions.

872 –AUTOMOTIVES, VOCATIONAL

NORTH

Prerequisite: Automotive Technology

Requirement: Approval of department chair

THIS COURSE IS TAUGHT IN A 2 HOUR BLOCK

Grades 11-12

2 CREDITS

This course is for students with a career goal in auto mechanics. Knowledge and skill developed in Automotive Technology are enhanced with more complex problem- solving and skill development. The program provides specialized training in the use of service information, diagnostic procedures, tools, and equipment. Students develop independence through successful problem-solving and learn the basic concepts and the complex techniques needed for employment in this field. Students can provide vehicles for application of techniques required to diagnose and repair malfunctions. This course is coordinated with Trade and Industry Co-op, in which enrollment is recommended.

TECHNOLOGY EDUCATION (continued)

873 – INTRODUCTION TO BASIC CAR CARE NORTH

Comment: Course is not for students who have completed 871 Auto Tech.

Grades 10-11-12

.5 CREDIT

Basic Car Care is a course for any student who would like to learn about basic automotive maintenance without the in-depth technical information associated with the Automotives class. Many hands-on experiences are used in such areas as cleaning, waxing, fluid level inspections, and emergency road service procedures. All areas covered will pertain to what can be done with your car on your driveway or in an emergency situation.

875 – CONSTRUCTION TECHNOLOGY SOUTH

Grades 10-11-12

1 CREDIT

Construction Technology is a practical, hands-on class which introduces students to some of the tools, materials and techniques used in the residential building industry. Using lectures, demonstrations, videos, job-site visits, and presentations by experienced tradesmen, students are given a good foundation of knowledge. After each new topic is introduced, students will apply their understanding in the lab. Student teams will build a structure which incorporates the following skills: layout and measurement, block and brick laying, floor framing, wall framing, door and window installation, roof framing, siding and shingling, wiring, plumbing, insulating, dry walling, finish trimming, and stair-building. In all areas, safe and proper tool use is stressed. Anyone who plans on owning a house someday will benefit from things learned in class. In addition, local building companies have been eager to hire students who have good carpentry skills and who have been recommended by the instructor.

876 – TRADE AND INDUSTRY CO-OP

Requirement:

Students must complete one of the following courses **prior** to senior year to be eligible for this co-op program: Automotive Technology, Construction Technology, Engineering Graphics, Small Engine Repair, Survey of Engineering Graphics, Computer Aided Drafting or Technology Applications.

Grade 12

1 CREDIT

On-the-job experience helps students gain skills needed for entry into industrial occupations. Students learn how to react in a work situation and are introduced to job opportunities in the field. An employer, in cooperation with the teacher-coordinator, provides a training station and accepts the responsibility for giving practical learning activities related to each student's stated career objectives. Typical occupations include drafting, woodworking, automotives, metals, pre-engineering and electricity/electronics.



- Katharine S.

TELEVISION PRODUCTION

Television I, II, III, IV, V, VI

793 – TELEVISION PRODUCTION I

**Visual, Performing and Applied Art Credit
.5 CREDIT**

Television Production I introduces students to fundamental, technical and creative aspects of television production, operation of equipment, camera and sound techniques, basic script writing, graphics, and a variety of programming possibilities. Through reading, watching and analyzing films and television programs, students will gain a critical awareness and knowledge of the television medium. Students will learn to write scripts through a series of steps designed to yield a shooting script that is production oriented and appropriate for a project, either assigned or created by the student. Students will collaborate to effectively communicate their message. They will function as a team to set program goals, to produce a TV product by applying their knowledge of current TV technology. This course is designed with a focus on the studio workshop; it will provide students with opportunities to experience the total process of television production. Further, it is important for students to learn to collaborate as multi-age creative teams. There will be many opportunities for students to learn by doing, inquiring, and discovering. Networking with local community resources and experts is encouraged.

794 – TELEVISION PRODUCTION II

Prerequisite: Television Production I
**Visual, Performing and Applied Art Credit
.5 CREDIT**

Television Production II builds on techniques mastered in Television Production I and continues with a more rigorous production agenda. Multi-camera live studio television will be emphasized and on-location videotaping will be incorporated into productions. Students will also gain exposure to creative research, strategy development, advanced TV scripting, and storyboarding. Post-production editing is taught as well as all other production components, i.e. lighting, scripting, and set design. Projects for video announcements are an integral part of this class. These courses will also emphasize the importance of deadlines and encourage self-motivation and independent study skills.

795 – TELEVISION PRODUCTION III

Prerequisite: *Television Production II
**Visual, Performing and Applied Art Credit
.5 CREDIT**

Grades 10-11-12 *With permission of instructor

Television Production III continues to build on skills developed in Television Production I and II, and has the objective of encouraging students to develop mastery in television scripting, directing, producing, and editing. Student self-direction is essential since the class provides an integrated experience for a mixed group of students at a variety of ability levels. When possible and when placement is available, students with highly developed skills will be recommended for intern positions with commercial television producers, directors, or companies. Some students with specific individual interests in athletics, music, video announcements, or other school related activities may elect to focus on these areas while increasing their television production skills.

796 – TELEVISION PRODUCTION IV

Prerequisite: *Television Production III

797 – TELEVISION PRODUCTION V

Prerequisite: *Television Production IV

798 – TELEVISION PRODUCTION VI

Prerequisite: *Television Production V

**Visual, Performing and Applied Art Credit
.5 CREDIT**

Grades 10-11-12 *With permission of instructor

Television Production IV, V, and VI are an advanced sequence of courses that build on the foundation, knowledge and skills gained in Television Production I – III. Students learn new responsibilities related to planning, organizing, and executing projects and deadlines (students have the opportunity to participate on many shoots using mobile equipment and video announcements). Advanced students also learn the complex operations of running the school cable television station.



- Chloe S.

SPECIAL EDUCATION

An Individualized Educational Planning Team (IEPT) determines the programs and services for each student after considering the least restrictive environment in which the student will learn successfully. This means the student will be placed in a class that is appropriate to meet his or her unique needs. Options may include direct instruction in the special education classroom, teacher consultant support, regular education classroom, or collaborative teaching.

SECONDARY RESOURCE CENTER (SRC)

940 – LEARNING SKILLS - SEMESTER ONE

Requirement: Enrollment through IEPT process
.5 CREDIT

941 – LEARNING SKILLS - SEMESTER TWO

Requirement: Enrollment through IEPT process
.5 CREDIT

This course is for those who have been scheduled into the SRC. The purpose of the program is to assist students who have been identified through an Individual Educational Planning Team (IEPT) to develop skills that are needed for school success. This program emphasizes study skills, reading, listening comprehension, writing, math computation and problem solving, and test preparation. Each student's needs are assessed and planned for when considering what services will be offered each year.

SRC DIRECT TEACHING

Direct teaching classes are offered at both high schools when the need is identified through the IEPT process.

Determination of specific courses for direct teaching are based on individual student IEPs and may vary from what is described here.

943 – SRC - EXPOSITORY WRITING Grades 10-11-12

Requirement: Enrollment through IEPT process
.5 CREDIT

SRC Writing Workshop provides instruction in expository writing on an individualized basis for SRC students with severe language deficits. Students learn to use several methods of explanation - comparison, cause and effect, reasons, classification, examples, and definition as they write many types of essays. Practical skills include letter-writing, note-taking, impromptu writing, proofing, and completing application forms. Students learn term paper and research skills. Emphasis is placed on English usage, syntax, punctuation, and vocabulary. Computers are utilized for instruction as well as word processing. Students learn to use one word processing program for completing and printing their essays and reports.

944 – SRC - AMERICAN LITERATURE

Requirement: Enrollment through IEPT process

Grades 10-11-12

1 CREDIT

This course presents the study of American literature through its major periods. Students read and analyze novels and short stories. Course work emphasizes exposure to American literature, improving reading, vocabulary, and comprehension as well as writing skills. Adapted versions on an appropriate reading level will be used for SRC students with severe language deficits. Students read works by F. Scott Fitzgerald, O' Henry, Edgar Allen Poe, Mark Twain, Stephen Crane, Arthur Miller, J. D. Salinger and John Steinbeck.

945 - SRC - READINGS IN CURRENT LITERATURE

Requirement: Enrollment through IEPT process

Grades 10-11-12

.5 CREDIT

In this course SRC students with severe language deficits will read and listen to current literature including some from popular culture. Students examine their own views and those of their peers as they react to fiction and nonfiction (biography, drama, mystery, science fiction, poetry, and short story). Class discussion will be used to help develop self-awareness and improve peer relationships.

946 – SRC - UNITED STATES HISTORY

Requirement: Enrollment through IEPT process

Grades 10-11-12

1 CREDIT

SRC United States History allows students with severely limited skills an opportunity to be presented basic concepts in U.S. History. Concepts will be presented at an appropriate grade level. The major themes covered will include: exploration and colonization, our new nation, the growth of our nation, foreign policy, and social and cultural trends. Student activities will include: acquiring information through reading, listening and observing, reading maps, communicating orally and in writing, and relating current events to history.

SPECIAL EDUCATION (continued)

ADJUSTED LEARNING PROGRAM... OFFERED AT NORTH ONLY

<u>COURSES</u>		<u>CREDITS PER YEAR</u>	<u>GRADES</u>
181 – ALP ENGLISH	Year	1	9 - 12
183 – ALP SCHOOL STUDY	Semester	.5	9 - 12
184 – ALP CONTEMPORARY LIVING	Semester	.5	9 - 12
186 – ALP SOCIAL STUDIES	Year	1	9 - 12
187 – ALP U.S. HISTORY	Year	1	9 - 12
188 – FUNCTIONAL MATH	Semester	.5	9 - 12
189 – FUNCTIONAL MATH	Year	1	9 - 12
190 – ALP CIVICS	Year	1	9 - 12
193 – ALP SCIENCE	Year	1	9 - 12
925 – ALP HEALTH	Semester	.5	9 - 12
680 – ALP PRE-VOCATIONAL TRAINING	Semester	.5	9 - 12
681 – ALP PRE-VOCATIONAL TRAINING	Year	1	9 - 12
682 – ALP IN-SCHOOL WORK EXPERIENCE	Semester	.5	10-12
683 – ALP IN-SCHOOL WORK EXPERIENCE	Year	1	10-12
684 - ALP WORK STUDY	Year	1	12
686 - ALP COMMUNITY BASED WORK	Semester	.5	11-12
981 – ALP INDEPENDENT STUDY	Semester	.5	9 - 12
982 – ALP INDEPENDENT STUDY	Year	1	9 - 12
985 – ALP COMPUTER	Semester	.5	9 - 12

The Adjusted Learning Program is a course of study offered to students with special needs. It gives students the opportunity to develop those attitudes, abilities, and work habits essential to success in employment and in life. This program combines academic and vocational experience. Whenever possible, practical work experiences are provided both in school and in the community. The purpose of these courses is to assist students who have been identified through an Individual Educational Planning Team (IEPT). Courses will be offered on a rotating basis.

DEVELOPMENTAL LEARNING COURSES OFFERED AT NORTH ONLY

All of the following courses are two semesters:

630	DLP MATH	9 – 12
631	DLP LANGUAGE ARTS	9 – 12
633	DLP WORK STUDY	9 – 12
634	DLP COMM. BASED WORK	9 – 12
808	DLP COMMERCIAL FOODS I	9 – 12
988	DLP/ALP PHYSICAL EDUCATION	9 – 12
989	DLP MUSIC	9 – 12
990	DLP IN SCHOOL WORK EXPERIENCE	9 – 12
991	DLP PRE-VOCATIONAL	9 – 12
992	DLP INDEPENDENT LIVING SKILLS	9 – 12
993	DLP PERSONAL CARE	9 – 12
994	DLP STUDY	9 – 12
995	DLP WORK EXP	9 – 12

The Development Learning Program is offered to students with special education needs. The curriculum is designed to develop independent living skills, functional skills in math and reading, pre-vocational and vocational skills. When appropriate students participate in work experiences either in school or in the community. The purpose of this program is to assist students who have been identified through an Individual Educational Planning Team (IEPT)

Adjusted Studies Program

Students taking courses in this program are scheduled after an individualized education program is developed through the IEPT process.

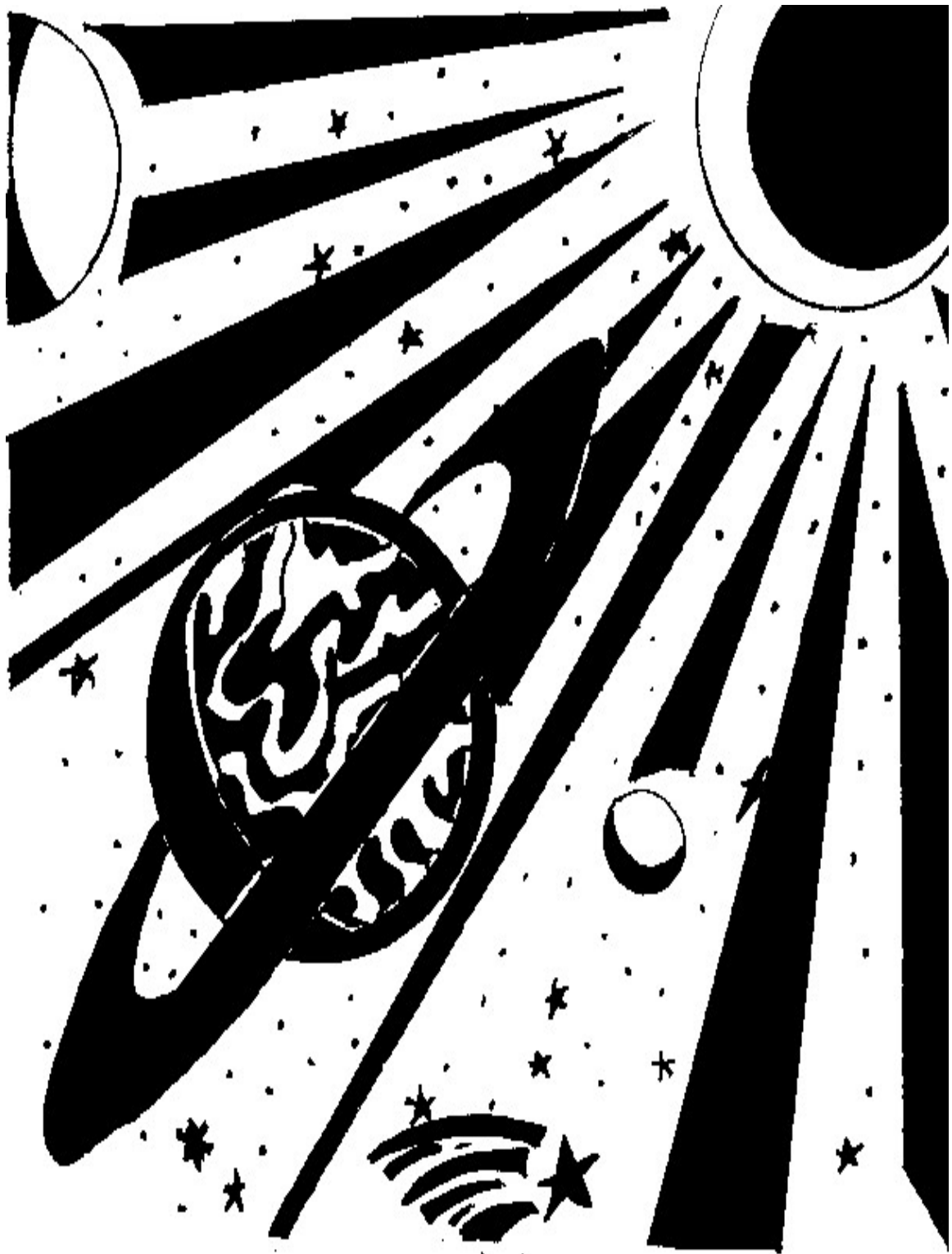
020	GEOGRAPHY/WORLD AFFAIRS	(year)
021	GENERAL MATH	(year)
022	PRE-ALGEBRA	(year)
023	DEVELOPMENTAL ALGEBRA	(year)
024	DEVELOPMENTAL GEOMETRY	(year)
025	LANGUAGE LIT. & COMP	(year)
026	EXPOSITORY WRITING	(semester)
027	READING WORKSHOP	(semester)
028	EXPLORATIONS IN READING	(semester)
029	CIVICS	(year)
030	WORLD HISTORY	(year)
031	EARTH SCIENCE	(year)
032	BIO-LIFE SCIENCE	(year)
033	HEALTH	(semester)
034	COMPUTER APPLICATIONS	(semester)
035	STUDY SKILLS	(semester)
036	EFFECTIVE LIVING	(semester)
037	MYTHOLOGY	(year)
038	VOCATIONAL EXPERIENCE	(semester)
039	COPING SKILLS	(year)
040	STUDY SKILLS	(year)
066	US HISTORY	(year)
047	BASIC ALGEBRA	(year)
987	GEOMETRY	(year)

Independent Learning Options**OFFERED AT SOUTH ONLY**

ILO Opportunity Center is an off campus instruction program for post high school students, ages 18-26 who have Individualized Education Plans, or Transition Plans which reflect needs identified by the student's Educational Team. The students travel to the Opportunity Center which is located in the community, and participate in a variety of activities which revolve around independent living skills and work skills. These activities may be located at the Opportunity Center or in other natural community settings which are supervised by Grosse Pointe Public Schools staff. The curriculum focuses on life skills, employability skills, vocational skills and community based work experiences.

All courses are two semesters and one credit.

041	ILO READING CONCEPTS	
042	ILO MATH CONCEPTS	
043	ILO STUDY SKILLS	
053	ILO COMM. WORK EXPERIENCE	
054	ILO RESOURCE CENTER	
055	ILO PHYSICAL FITNESS	
056	ILO MUSIC CONCEPTS	
058	ILO MUSIC CONCEPTS	(SEMESTER)
059	ILO PHYSICAL FITNESS	
060	ILO STUDY SKILLS	
079	ILO INDEPENDENT LIVING SKILLS	
082	ILO IN SCHOOL WORK EXPERIENCE	
085	ILO WORK STUDY	



- A. Gossin

SPECIAL PROGRAMS

**CLASS TUTORIAL
ENGLISH AS A SECOND LANGUAGE
INDEPENDENT STUDY
STUDENT CENTER
CAREERS AND TECHNICAL PROGRAMS THROUGH OTHER AGENCIES**

961 – CLASS TUTORIAL – FIRST SEMESTER

962 – CLASS TUTORIAL – SECOND SEMESTER

NO CREDIT

A tutorial is a time for students to work on assignments and get assistance in specific subject areas. Students are assigned to a room where daily attendance is taken. Teachers provide tutoring services.

973 – ENGLISH AS A SECOND LANGUAGE

Requirement: Teacher approval

1 CREDIT

This course is designed for students who have limited English proficiency. English listening, speaking, reading and writing skills are developed. Up to 4 years (4 credits) of ESL may be taken. Ten credits of an ESL class may serve as a substitute for Freshman English. Other ESL credits can be taken as English electives.

Note: Foreign exchange students are not eligible to take this class. Newly arrived limited English proficient students (including those entering 12th grade) should expect to take at least two years to complete all graduation requirements.

SPECIAL PROGRAMS (continued)

934 – INDEPENDENT STUDY - FIRST SEMESTER

.5 CREDIT

935 – INDEPENDENT STUDY - SECOND SEMESTER

.5 CREDIT

Requirement: Teacher permission
Counselor support committee *or*
principal's designee approval

The purpose of an independent study is to provide the eligible student with an opportunity for study beyond the available curriculum. Therefore, the credit for independent study will normally be scheduled over and above the minimum credit base of 60 credits and shall not include credit for study in course work currently available in the school day. The independent study must be for original work not already done for a previous class or program. Independent Study may be elected for a semester at a time by a qualified student in any subject area. The student will be assigned to work in the supervising teacher's classroom and will make frequent progress reports to that teacher.

A student cannot be considered for the program until the following requirements have been met:

1. The teacher selected shall hold certification in the area of study.
2. The student must submit to the Independent Study Committee or Principal's designee a clear, concise statement of the topic to be studied along with a detailed description of the study and how it will be done.
3. A completed Independent Study Contract should be submitted to the Independent Study Committee or the Principal's designee. The contract must be completed and signed by the parent, the teacher, the counselor, and the student.
4. At the end of the semester, the student will present the results of the independent study. This presentation may be in the form of a formal paper, project etc.

954 – STUDENT CENTER – FIRST SEMESTER

Requirement: Recommendation of Counselor
and approval of instructor

955 – STUDENT CENTER – SECOND SEMESTER

Requirement: Recommendation of Counselor
and approval of instructor

.5 CREDIT

Student center is designed for the student who either demonstrates deficiencies in some academic areas or who needs support in organizational and self-monitoring skills. Support is provided by learning specialists, the reading specialist, general education teachers and classroom assistants. Specific criteria must be met to earn the .five credit.

CAREERS AND TECHNICAL PROGRAMS THROUGH OTHER AGENCIES

Career and Technical Programs are available to Grosse Pointe Students through the Golightly Center, the Southeast and Southwest Macomb Area High School Consortiums, and other programs as needed beginning in grade 11. Enrollment is limited. See the counselor for more information.

GOLIGHTLY CAREER AND TECHNICAL CENTER PROGRAMS ARE AS FOLLOWS:

Trade & Industry	Business Services & Technology	Food Management, Production And Services
◆ Agriscience (Horticulture/Floriculture)	◆ Academy of Finance	◆ Baking and Pastry Arts
◆ Automotive Body Repair	◆ Academy of Information Technology (AOIT)	◆ Hospitality and Food Services
◆ Automotive Service Technology	◆ Academy of Travel and Tourism	◆ Meat Cutting and Charcuterie
◆ Electronics Engineering Technology/ Biomedical	◆ Call Center	
◆ Computer-Aided Drafting	◆ Computer Graphics/Publishing Technology (COMPUTEC)	
◆ Law Enforcement		
◆ Mass Communications (Radio & Television)		
◆ Welding and Cutting		

Golightly requires an overall GPA of 2.0 or better with a good attendance record as part of its admission requirements. Students are also required to follow the Detroit Public Schools dress code while in attendance at Golightly.

For these programs, students must provide their own transportation.

Enrollment is limited and not guaranteed. Please contact your counselor or the Grosse Pointe Schools Transition Services located at North High School for additional information. A Career Technical Education Program Offerings book is available upon request or may be viewed at www.gpschools.org/newpub/parents.htm

SPECIAL PROGRAMS (continued)

SOUTHEAST MACOMB CONSORTIUM CLASSES ARE AS FOLLOWS:

Course	Location
Auto Tech	Lakeview, South Lake, East Detroit
Accounting and Computing	Harper Woods, Lake Shore, Lakeview
Building Trades	Roseville
Business Management Technology	Lake Shore
Cosmetology	See Southwest consortium list below.
Dental Assisting I & II	Lake Shore
Design Studio w/Interior Design & Catia Software	Lake Shore
Drafting/CAD	Harper Woods
Drafting & Design	Lakeview, Roseville
Electronics	Lakeview
Graphic Communication I & II (Formerly Graphic Arts)	Lake Shore AT South Lake
Health Occupations & Pre-Medical Careers	East Detroit, Lake Shore
Hospitality Services I	East Detroit
Hospitality Services *Pre-requisite requirement	South Lake
Hospitality Services I & II	Roseville
Law Enforcement	East Detroit
Marketing I/II	East Detroit, South Lake, Lake Shore
Manufacturing Technology / Machine Trades,	East Detroit, Roseville
Television Production	Lake Shore
Trade and Industry Electronics	Lakeview
Trade and Industry Graphic Arts	South Lake

SOUTHWEST MACOMB CONSORTIUM CLASSES ARE AS FOLLOWS:

Course	Location
Accounting & Computer Training	Centerline, Van Dyke, Warren Woods
Automotive Technology	Fitzgerald High School, Van Dyke
Building Construction Technology	Fitzgerald High School, Van Dyke
Building Trades	Van Dyke
Cosmetology	Warren Woods
Drafting/CAD	Centerline, Van Dyke
Health Information Services	Warren Woods Tower High School
Emergency Medical Technician	Centerline
Foods/Hospitality	Warren Woods, Van Dyke
Law Enforcement * Recommendations required	Centerline
Manufacturing Technology	Centerline, Van Dyke
Medical Office Assistant	Warren Woods Tower High School
Nursing	Warren Woods Tower High School
Pharmacy Tech	Fitzgerald High School
3-D Animation	Centerline High School
Visual Imaging/Graphics	Centerline

For these programs, students must provide their own transportation.

Enrollment is limited. Please contact your counselor or the Grosse Pointe Schools Transition Services Department located at North High School for additional information. A Career Technical Education - Program Offerings book is available upon request or may be viewed at www.gpschools.org/newpub/parents.htm.

COURSES SPECIFIC TO NORTH OR SOUTH HIGH SCHOOL

NORTH		SOUTH	
Course #	Course Name	Course #	Course Name
172	Yearbook Production	490	Intro to Robotics
494	Astronomy	811	Commercial Foods I
499	Adv. Topics in Astronomy	812	Commercial Foods I 2 hr
871	Automotive Technology	813	Commercial Foods II
872	Automotives, Vocational	814	Commercial Foods Co-op
873	Intro to Basic Car Care	852	Small Engine Repair
		875	Construction Technology

INDEX 2009-2010 GROSSE POINTE HIGH SCHOOLS PROGRAM OF STUDIES

P = Prerequisite for enrollment

R = Requirement for enrollment

ART			CR	GRADES		
	700	SRVY ART HIST	0.5	9	-	12
	701	CONC & MAT	1	9	-	12
P	705	CERAMICS I	0.5	9	-	12
P	706	CERAMICS II	0.5	9	-	12
P	707	CERAMICS III	0.5	9	-	12
P	708	CERAMICS IV	0.5	9	-	12
P	709	CERAMICS V	0.5	9	-	12
P	710	CERAMICS VI	0.5	9	-	12
P	711	DRAW & PTG I	1	9	-	12
P	712	DRAW & PTG II	1	9	-	12
P	713	DRAW & PTG III	1	9	-	12
P	714	DRAW & PTG IV	1	9	-	12
P	715	COMP GRAPH I	0.5	9	-	12
P	716	COMP GRAPH II	0.5	10	-	12
P	717	COMP GRAPH III	0.5	10	-	12
P	718	COMP GRAPH IV	0.5	10	-	12
P	720	COM DESIGN I	1	9	-	12
P	721	COM DESIGN II	1	9	-	12
P	722	COM DESIGN III	1	9	-	12
P	729	DSGN W/FIBERS I	0.5	9	-	12
P	730	DSGN W/FIBERS II	0.5	9	-	12
P	733	DSGN W/METALS I	0.5	9	-	12
P	734	DSGN W/METALS II	0.5	9	-	12
P	735	DSGN W/METALS III	0.5	9	-	12
P	736	DSGN W/METALS IV	0.5	9	-	12
R	737	PHOTO I (35 mm camera)	1	10	-	12
P	738	PHOTO II	1	10	-	12
P	739	PHOTO III	1	10	-	12
P	740	FIG DRAW I	0.5	9	-	12
P	741	FIG DRAW II	0.5	9	-	12
P	742	FIG DRW III	0.5	9	-	12
P	743	FIG DRW IV	0.5	9	-	12
P	749	DSGN W/SCUPL I	0.5	9	-	12
P	750	DSGN W/SCUPL II	0.5	9	-	12
P	756	DSGN W/SCUPL III	0.5	9	-	12
P	758	DSGN W/SCUPL IV	0.5	9	-	12

BUSINESS EDUCATION			CR	GRADES		
	600	BUS EXPL	0.5	9	-	10
	601	SMALL BUS	0.5	10	-	12
	607	ACCTNG I	0.5	10	-	12
P	608	ACCTNG II	0.5	10	-	12
P	609	ACCTNG III	0.5	11	-	12
P	610	ACCTNG IV	0.5	11	-	12
	612	INFO PROC I	0.5	9	-	12
P	613	INFO PROC II	0.5	9	-	12
P	614	BUS COOP/INTERN	1			12
	615	MARKETING I	0.5	9	-	12
P	616	MARKETING II	0.5	9	-	12
	617	KEY& INFO PROC	0.5	9	-	10
	619	BUS LAW	0.5	10	-	12
	626	MKTG COO/INTERN	1			12
P	627	MARKETING III	0.5	10	-	12
	628	ADVERTISING	0.5	10	-	12
	629	SPORTS&ENT MKTG	0.5	10	-	12
	643	BUS MANAGEMENT	0.5	11	-	12
	644	BUS FINANCE (PILOT)	0.5	11	-	12

ENGLISH			CR	GRADES		
	101	FRESH ENGLISH	1	9		
	103	FRESH ENG HON	1	9		
	104	CLASSICS WLD LIT	1	11	-	12
	105	LIT/CULTURE & HUM	1	11	-	12
	106	JOURNALISM	1	9	-	12
PR	107	ADV JRL I	1	10	-	12
PR	108	ADV JRL II	1	10	-	12
PR	109	ADV JRL III	1	10	-	12
R	111	READ WRKSP	0.5	10	-	11
	112	EXPL IN RDG	0.5	10	-	12
	113	HONORS JOURNALISM	1	9	-	12
	114	ENGL: FRESH ASSIST	1	9		
	115	MYTHOLOGY	0.5	10	-	12
	116	SPEECH I	0.5	10	-	12
	117	FILM LIT	0.5	10	-	12
	118	SHAKESPEARE	0.5	11	-	12
	122	EXPOS WRTG	0.5	10	-	12

ENGLISH (CONTINUED)			CR	GRADES		
R	123	CR WRTG	0.5	9	-	12
R	124	ADV CR WRTG	0.5	10	-	12
R	145	AP ENG LIT & COMP	1	11	-	12
R	162	AM LIT & COMP	1	10	-	12
	163	AM LIT HNR	1	10	-	12
	164	BRIT LIT & COMP	1	10	-	12
	173	PIC LIT (PILOT)	0.5	11	-	12
R	175	DEBATE	0.5	9	-	12
R	176	ADV DEBATE I	0.5	10	-	12
R	177	ADV DEBATE II	0.5	10	-	12
	197	AP ENG LANG & COMP	1	11	-	12

INTER-DEPARTMENTAL			CR	GRADES		
	012	COMP APP I	0.5			
P	015	THEORY OF LEARNING (PILOT)	0.5			
	016	DIGITAL SEMINAR (PILOT)	0.5	9	-	10
	172	YEARBOOK PROD (NORTH)	1	10	-	12
	950	CAREER DECISIONS	0.5	11	-	12

LIFESKILLS & HEALTH ED			CR	GRADES		
	800	FOOD FOR FIT	0.5	9	-	12
	801	FASH & FAB I	0.5	9	-	12
P	802	FASH & FAB II	0.5	9	-	12
P	804	FASH & FAB IV	0.5	9	-	12
P	805	FOOD FOR FIT II	0.5	10	-	12
	811	COM'L FDS I	1	10	-	12
	812	COM'L FDS I	2	10	-	12
P	813	COM'L FDS II	1	11	-	12
P	814	COM'L FDS CO-OP	1			12
P	815	ART OF PASTRY AND DESSERT	0.5	9	-	12
	824	I/DES/HOUS	0.5	10	-	12
	825	CH DEV PAR	0.5	10	-	12
	826	LIVING ON YOUR OWN	0.5	11	-	12
P	831	MED AD AM	1			12
P	834	MED AD PM	1			12
	837	CHLD CARE	2	11	-	12
P	838	CH CR CP AM	1			12
P	839	CH CR CP PM	1			12
R	920	HEALTH ED FP	0.5	9	-	12

MATHEMATICS			CR	GRADES		
ESSENTIALS OF MATHEMATICS SEQUENCE						
PR	310	ALGEBRA SUPPORT	.5-1			
PR	318	ALGEBRA I	1			
P	322	ALGEBRA II	1			
PR	332	ADVANCED MATHEMATICS	1			
R	339	GEOMETRY SUP	.5-1			
P	350	GEOMETRY	1			
COLLEGE PREPARATORY SEQUENCE						
PR	307	ALGEBRA I CP	1			
PR	316	GEOMETRY CP	1			
R	320	ALGEBRA CP SUP	.5-1			
PR	322	ALGEBRA II CP	1			
PR	342	PRE-CALCULUS	1			
HONORS MATHEMATICS SEQUENCE						
PR	330	HONORS ACC GEOMETRY	1			
PR	335	HON ALGEBRA II	1			
PR	346	HON ACC PRE-CALCULLUS	1			
PR	358	AP CALCULUS AB	1			
PR	359	AP CALCULUS BC	1			

COMPUTER COURSES			CR	GRADES		
P	375	BEGINNING PROGRAMMING	0.5			
P	376	ADV PROG I	0.5			
P	377	ADV PROG II	0.5			
P	378	AP ADV PROG III	0.5			

MODERN AND CLASSICAL LANGUAGES			CR	GRADES		
	201	FRENCH I	1	9	-	12
P	203	FRENCH II	1	9	-	12
P	204	FRENCH V AP	1	11	-	12
P	205	HONORS FRENCH IV	1	11	-	12
P	206	FRENCH III	1	10	-	12
P	208	FRENCH IV	1	11	-	12
P	210	FRENCH V	1	11	-	12
	211	ITALIAN I	1	9	-	12
P	212	ITALIAN II	1	10	-	12

MODERN AND CLASSICAL LANGUAGES (CONT'D)			CR	GRADES		
P	213	ITALIAN III	1	11	-	12
P	214	ITALIAN IV	1	11	-	12
	216	LATIN I	1	9	-	12
P	217	LATIN II	1	9	-	12
	221	GERMAN I	1	9	-	12
P	222	GERMAN II	1	10	-	12
P	225	GERMAN III	1	11	-	12
P	227	GERMAN IV	1	11	-	12
P	229	GERMAN IV AP	1	11	-	12
P	230	ITALIAN IV AP	1	11	-	12
	231	SPANISH I	1	9	-	12
P	232	SPANISH II	1	9	-	12
P	233	SPANISH III	1	10	-	12
P	234	SPANISH IV	1	11	-	12
P	235	SPANISH V	1	11	-	12
P	236	SPAN IV HONOR	1	11	-	12
P	238	SPAN V AP	1	11	-	12
	248	CHINESE I	1	9	-	12
P	249	CHINESE II	1	9	-	12
P	250	LATIN III	1	11	-	12
P	252	LATIN IV	1			12
PERFORMING ARTS						
INSTRUMENTAL MUSIC			CR	GRADES		
P	752	CONCERT BAND WW	1	9	-	12
R	753	SYMPH ORCH	1	9	-	12
R	754	SYMPH BAND	1	9	-	12
R	755	JAZZ LAB	1	9	-	12
PR	757	CONCERT ORCH	1	9	-	12
CHORAL MUSIC			CR	GRADES		
	766	CHOIR-BEG SPRNO/ALTO	1	9	-	12
	767	CHOIR-BEG TENOR & BASS	1	9	-	12
R	768	CHOIR-INTERMEDIATE MIXED	1	10	-	12
R	769	CHOIR-ADVANCED WOMEN	1	10	-	12
R	770	CHOIR-ADVANCED MIXED	1	11	-	12
MUSIC APPRECIATION, THEORY & TECHNOLOGY			CR	GRADES		
	771	MUS APP & LIT	0.5	9	-	12
	772	MUSIC TH I	0.5	9	-	12
P	773	MUSIC TH II	0.5	9	-	12
P	774	MUSIC TH III	0.5	9	-	12
P	775	MUS TH IV AP	0.5	9	-	12
	776	MUSIC TECH I	0.5	9	-	12
P	777	MUSIC TECH II	0.5	10	-	12
P	779	MUSIC TECH III	0.5	11	-	12
	780	MUS/THRE/PLAY PROD	0.5	9	-	12
R	781	PIANO 1	0.5	9	-	12

ACTING			CR	GRADES		
	786	ASPECTS OF ACTING	0.5	9	-	12
R	787	ACTORS WORKSHOP	0.5	10	-	12
DANCE						
	788	CONT DANCE I	0.5	9	-	12
PR	789	CONT DANCE II	0.5	9	-	12

PHYSICAL EDUCATION			CR	GRADES		
	901	PHY ED 9	1	9		
	904	IND SPORTS & LFTME ACTV	0.5	9	-	12
R	905	LFGRD TRNG/CPR CERT	0.5	9	-	12
	906	OFFICIATING	0.5	9	-	12
	907	PERSONAL FITNESS	0.5	9	-	12
	908	TEAM SPORTS	0.5	9	-	12
	909	WGHT/STRNGTH TRNG	0.5	9	-	12
R	988	DEV LRNG PE (NORTH)	1	9	-	12

SCIENCE						
FOUNDATIONAL COURSES			CR	GRADES		
	404	HONOR BIO	1	9	-	10
	405	BIOLOGY	1	9	-	12
	407	EARTH SCIENCE	1	9		
R	408	HON EARTH SCIENCE	1	9		
PR	411	HON CHEM	1	10	-	12
P	412	CHEMISTRY	1	10	-	12
P	421	HON PHYSIC	1	11	-	12
P	422	PHYSICS	1	11	-	12
ELECTIVE COURSES-BIOLOGICAL SCIENCE			CR	GRADES		
P	445	AP BIOLOGY	1	11	-	12
P	450	ENVIR SCI	1	10	-	12
P	451	AP ENVIR SCI	1	11	-	12
P	491	PHYSIOLOGY	0.5	10	-	12
P	492	MICRO BIOL	0.5	10	-	12
P	493	APPL MED RESEARCH (PILOT)	1			12
ELECTIVE COURSES - PHYSICAL SCIENCE			CR	GRADES		
PR	413	AP CHEM	1	11	-	12
PR	423	AP PHYSICS	1			12
P	450	ENVIR SCI	1	10	-	12
P	451	AP ENVIR SCI	1	11	-	12
	486	GEOLOGY	1	10	-	12
	490	INTRO TO ROBOTICS (PILOT)	1	10	-	12
PR	494	ASTRONOMY (NORTH)	0.5	10	-	12
P	499	ADV TOPICS IN ASTR (NORTH)	0.5	10	-	12

SOCIAL STUDIES					
GROUP I - GOV'T STUDIES (1 SELECTION REQUIRED)			CR	GRADES	
	521	AM GOVT	0.5	10	- 12
	522	AP US GOVT & POL	0.5	11	- 12
	523	ECON	0.5	11	- 12
	526	AP MIC ECON	0.5	11	- 12
P	527	AP MA ECO	0.5	11	- 12
GROUP II - U S STUDIES (1 SELECTION REQ)			CR	GRADES	
	511	U S HIST & GEO	1	10	- 12
	512	AP US HIST	1	10	- 12
GROUP III - GLOBAL STUDIES (1 SELECTION REQ)			CR	GRADES	
	572	WORLD HIST & GEO	1	9	- 12
	573	HONORS WORLD HISTORY & GEO	1	9	
ELECTIVE COURSES			CR	GRADES	
	504	AP EUR HIST	1	11	- 12
	521	AM GOVT	0.5	11	- 12
	522	AP US GOVT & POL	0.5	11	- 12
	523	ECON .5	0.5	10	- 12
	525	SOCIOLOGY	0.5	10	- 12
	526	AP MIC ECON	0.5	11	- 12
P	527	AP MA ECO	0.5	11	- 12
	536	AM LEG SYS	0.5	11	- 12
	571	PSYCHOLOGY	0.5	11	- 12
	570	AP PSYCHOLOGY	0.5	11	- 12
	576	ANTHROPOLOGY	0.5	10	- 12

TECHNOLOGY EDUCATION					
	852	SM ENG RP	0.5	9	- 12
	859	TECH APPL	0.5	9	- 10
	860	SURV ENG GR	0.5	9	- 12
	861	ENG GRPH I	1	9	- 12
P	862	ENG GRPH II	1	10	- 12
R	864	CAD ENG	0.5	11	- 12
P	865	ENG GRAPHICS III	1	10	- 12
P	866	ENG GRAPHICS IV	1	10	- 12
P	867	ARCHITECTURE I	1	10	- 12
P	869	ARCHITECTURE II	1	10	- 12
	871	AUTO TECH (N)	1	10	- 12
PR	872	AUTO VOC (N)	2	11	- 12
	873	BASIC CAR CARE (N)	0.5	10	- 12
R	875	CONS TECH (S)	1	10	- 12
R	876	TRD&IND CP 1	1		12
P	880	ARCHITECTURE III	1	10	- 12
	890	DIGITAL SEMINAR	0.5	9	- 10

TELEVISION PRODUCTION			CR	GRADES	
	793	TV PROD I	0.5	9	- 12
P	794	TV PROD II	0.5	9	- 12
P	795	TV PROD III	0.5	10	- 12
P	796	TV PROD IV	0.5	10	- 12
P	797	TV PROD V	0.5	10	- 12
P	798	TV PROD VI	0.5	10	- 12

SPECIAL EDUCATION			CR	GRADES	
SECONDARY RESOURCE CENTER (SRC)					
R	940	LRN SKILS S1	0.5	9	- 12
R	941	LRN SKILS S2	0.5	9	- 12

SRC DIRECT TEACHING			CR	GRADES	
PR	072	SRC READ WKSHP	0.5	9	- 12
PR	533	SRC LANGUAGE ARTS	1	9	- 12
PR	545	SRC SOC STUDIES	1	9	- 12
PR	943	SRC EXPOS WRTNG	0.5	10	- 12
PR	944	SRC-AM LIT	1	10	- 12
PR	945	SRC-CUR LIT	0.5	10	- 12
PR	946	SRC-US HIST	1	10	- 12
PR	947	SRC WRLD HIST	1	9	- 12
PR	948	SRC-CONS ECON	0.5	9	- 12
PR	949	SRC-WORK SKILLS	0.5	9	- 12
PR	972	SRC ENG	0.5	9	- 12

ADJUSTED LEARNING PROG-NORTH ONLY			CR	GRADES	
R	181	ALP ENG	1	9	- 12
R	183	ALP SCH ST	0.5	9	- 12
R	184	ALP CONT LVG	0.5	9	- 12
R	186	ALP SOC ST	1	9	- 12
R	187	ALP USHIST	1	9	- 12
R	188	ALP MATH FUND	0.5	9	- 12
R	189	ALP MATH FUND	1	9	- 12
R	190	ALP CIVICS	1	9	- 12
R	193	ALP SCIENCE	1	9	- 12
R	680	ALP PRE VOC	0.5	9	- 12
R	681	ALP PRE VOC	1	9	- 12
R	682	ALP SCHWK	0.5	10	- 12
R	683	ALP/WORKEX	1	10	- 12
R	684	ALP WORK STUDY	1		12
R	686	ALP COMBAS	0.5	11	- 12
R	925	ALP HEALTH	0.5	9	- 12
R	981	ALP INDSTD	0.5	9	- 12
R	982	ALP INDSTD	1	9	- 12
R	985	ALP COMPWD	0.5	9	- 12

DEVELOPMENTAL LEARNING COURSES - NORTH ONLY			CR	GRADES		
R	630	DLP FN MTH	1	9	-	12
R	631	DLP LN ART	1	9	-	12
R	633	DLP COOPWK	1	9	-	12
R	634	DLP COMMWK	1	9	-	12
R	808	DLP COMFD I	0.5	9	-	12
R	988	DLP/ALP PHYSICAL EDUCATION	0.5	9	-	12
R	989	DLP MUSIC	0.5	9	-	12
R	990	DLP WORK EXP	2	9	-	12
R	991	DLP PREVOC	1	9	-	12
R	992	DLP INDLIV	1	9	-	12
R	993	DLP PERSCR	1	9	-	12
R	994	DLP STUDY	1	9	-	12
R	995	DLP WORK EXP	1	9	-	12

INDEPENDENT LEARNING OPTIONS (ILO) SOUTH			CR	GRADES		
R	041	ILO RDG CNCPTS	1			
R	042	ILO MATH CNCPTS	1			
R	043	ILO STDY SKLS	1			
R	053	ILO COMM WORK EXP	1			
R	054	ILO RSRCE ROOM	1			
R	055	ILO PHYS FITNESS	1			
R	056	ILO MUSIC CNCPTS	1			
R	058	ILO MUSIC CNCPTS	0.5			
R	059	ILO PHYS FITNESS	0.5			
R	060	ILO STUDY SKLS	0.5			
R	075	ILO FOODS	1.0			
R	078	ILO CAREER DESCIONS	1.0			
R	081	ILO PRE-VOC	0.5			
R	079	ILO INDEP LVG	1			
R	082	ILO IN-SCHL WK EXP	1			
R	085	ILO WORK STUDY	0.5			

ADJUSTED STUDIES PROGRAM			CR	GRADES		
R	020	ASP GEOG & WRLD AFF	1	9	-	12
R	021	ASP GEN MATH	1	9	-	12
R	022	ASP PRE-ALG	1	9	-	12
R	023	ASP DEV ALG	1	9	-	12
R	024	ASP DEV GEOM	1	9	-	12
R	025	ASP LANG LIT & COMP	1	9	-	12
R	026	ASP EXPOS WRITNG	0.5	9	-	12
R	027	ASP RDG WKSHIP	0.5	9	-	12
R	028	ASP EXPL IN READING	0.5	9	-	12
R	029	ASP CIVICS	1	9	-	12
R	030	ASP WRLD HIST	1	9	-	12
R	031	ASP EARTH/PHYS SCI	1	9	-	12
R	032	ASP BIO LIFE SCI	1	9	-	12
R	033	ASP HEALTH	0.5	9	-	12
R	034	ASP COMPUTER APPS	0.5	9	-	12
R	035	ASP STUDY SKILLS	0.5	9	-	12
R	036	ASP EFFECTIVE LIVING	0.5	9	-	12
R	037	ASP MYTHOLOGY	0.5	9	-	12
R	038	ASP VOC EXP	0.5	9	-	12
R	039	ASP COPING SKLS	1	9	-	10
R	040	ASP STUDY SKILLS	1	9	-	10
R	047	ASP BASIC ALG	1	9	-	10
R	066	ASP US HISTORY	1	9	-	12
R	987	ASP GEOMETRY	1	10	-	12
R	990	ASP CAREER AWARE	0.5	9	-	12

SPECIAL PROGRAMS			CR	GRADES		
R	934	IND STUDY S1	0.5	9	-	12
R	935	IND STUDY S2	0.5	9	-	12
R	954	STUDENT CENTER S1	0.5	9	-	12
R	955	STUDENT CENTER S2	0.5	9	-	12
	961	CLASS TUTORIAL S1	0	9	-	12
	962	CLASS TUTORIAL S2	0	9	-	12
R	956	ENG AS A SECOND LANG	1	9	-	12