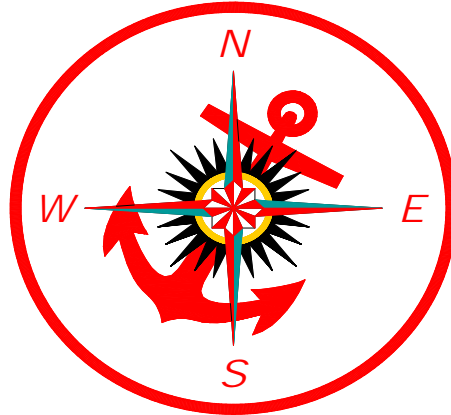


ANCHOR BAY HIGH SCHOOL

2009-10 COURSE GUIDE

9th - 11th GRADE



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www.anchorbay.misd.net
North Central Association Accreditation

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WELCOME TO ANCHOR BAY HIGH SCHOOL

Anchor Bay High School offers a wide selection of courses in academic, vocational, technological and enrichment areas. These courses are designed to meet the outcomes defined by the State of Michigan and requirements of the world of work. Students are encouraged to speak with counselors, parents and teachers about their future course choices.

Selecting classes is a very important process. The courses should help prepare a student for life beyond high school, as well as meeting the graduation requirements. Parents are encouraged to be an active part of the course selection process with their student. Every attempt will be made to schedule the requested courses. Alternatives will be used if the requested elective classes are not available to complete a student's schedule. Students should choose their alternate classes with discretion as they ***MIGHT*** become part of their final schedule.

This course guide provides description of classes which may be offered for the school year. **Actual class offerings will depend on final student choices.** Some points to consider are:

- Anchor Bay offers honors and advanced placement classes that may require summer homework. **Students will not be allowed to drop the course for failure to complete summer homework.**
- Certain courses are offered off-campus (Anchor Bay Middle School – South and the Aquatic Center). Check the course description to see if this applies to classes selected.
- Please be aware that some courses have a course fee as listed in the guide.
- **Careful selection of courses is necessary.** The building's schedule is built on the students' requests, therefore, schedule changes become difficult. Please do not request changes.

This course guide describes offerings which may be available.. Actual courses scheduled will depend on the number of students electing them.

Please refer to Anchor Bay's website for newsletters and additional information at www.anchorbay.misd.net

Anchor Bay offers equal access to all programs without regard to race, ethnicity, gender or disability. For information or help to meet special needs, call the office of the Superintendent, 586-725-2861. Anchor Bay provides directory information (Name, address, and grade level) upon request to outside agencies. Parents who wish their student's directory information to be withheld should notify the high school office.

**ANCHOR BAY HIGH SCHOOL
REQUIRED GRADUATION REQUIREMENTS
INITIATED WITH THE CLASS OF 2011**

<u>DEPARTMENT / COURSE</u>	<u>CREDITS</u>
English	4.0
English 9	1.0
English 10*	1.0
English 11	1.0
English 12	1.0
Mathematics	4.0
Algebra I	1.0
Geometry	1.0
Algebra II	1.0
Math or math-related credit in senior year	1.0
Science	3.0
Biology	1.0
Chemistry or Physics	1.0
Science Elective	1.0
Social Studies	3.0
U.S. History	1.0
World History	1.0
Civics / Government	.5
Economics	.5
Health and Physical Education	1.0
Health	.5
Physical Education	.5
Visual, Performing, Applied Arts	1.0
Fine Arts, Vocal and Instrumental Music, Drama and selected CTE courses satisfy the requirement (SEE BELOW)	
*Online Learning Experience (Minimum 4 weeks)	
The English 10 research project and selected classes satisfy the requirement	
Elective Credits*	6.0
Total Credits	22.0
World Languages* (Begins with the Class of 2016)	2.0
(When implemented this requirement would replace 2 elective credits.)	

VISUAL, PERFORMING AND APPLIED ARTS REQUIREMENT

Career Technical Education courses which can be used towards the Applied Arts Requirements are as follows:

Business Services Technology	Introduction to Foods
Child Development I	Introduction to Graphics
Computer Information Systems	Marketing
Introduction to Business	Web Design
Introduction to CAD	

FOUR – YEAR PLAN

Goals are essential to your high school career. This form will help you design your four-year high school plan using graduation course requirements and electives. Remember that this plan should reflect **your** interests and skills, and should be **INDIVIDUALIZED TO MEET YOUR NEEDS**.

9th GRADE

FIRST SEMESTER

English
 Biology or Intro. Biology/Intro. Chemistry
 U. S. History 1
 Math

SECOND SEMESTER

English
 Biology or Intro. Biology/Intro. Chemistry
 U. S. History 2
 Math

Elective:	Elective:
Elective:	Elective:

10th GRADE

FIRST SEMESTER

English
 Chemistry or Biology B/C
 Math
 World History

SECOND SEMESTER

English
 Chemistry or Biology B/C
 Math
 World History

Elective:	Elective:
Elective:	Elective:

11th GRADE

FIRST SEMESTER

English
 Math
 Science or Chemistry B/C
 Civics (Taken 11th or 12th Grade)

SECOND SEMESTER

English
 Math
 Science or Chemistry B/C
 Economics (Taken 11th or 12th Grade)

Elective:	Elective:
Elective:	Elective:

12th GRADE

FIRST SEMESTER

English
 Math

SECOND SEMESTER

English
 Math

Elective:	Elective:
Elective:	Elective:
Elective:	Elective:
Elective:	Elective:

ALTERNATE CHOICES FOR ALL GRADES

(Combination of full year and semester courses to complete two hours)

FIRST SEMESTER

SECOND SEMESTER

Elective:	Elective:
Elective:	Elective:
Elective:	Elective:
Elective:	Elective:

NCAA Clearing House Requirements

The NCAA Clearinghouse is an organization, which certifies whether prospective student athletes have accomplished basic initial academic eligibility requirements. This information describes how a student becomes eligible to receive an athletic scholarship. See a school counselor for further information on the process to apply to the NCA Clearinghouse. More information can be found at www.ncaaclearinghouse.net

If you enroll in a Division I or II college and want to participate in athletics or receive an athletic scholarship, you must meet the following academic standards:

DIVISION I 16 CORE-COURSE RULE	DIVISION II	DIVISION III
<p>16 Core Courses:</p> <ul style="list-style-type: none"> • 4 years of English • 3 years of mathematics (Algebra I or higher) • 2 years of natural/physical science (one must be a lab science) • 1 year of additional English, Mathematics or Natural/physical science • 2 years of social science • 4 years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy) 	<p>14 Core Courses:</p> <ul style="list-style-type: none"> • 3 years of English • 2 years of mathematics (Algebra I or higher) • 2 years of natural/physical science (one must be a lab science) • 2 year of additional English, Mathematics or Natural/physical science • 2 years of social science • 3 years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy) 	<ul style="list-style-type: none"> • Contact your Division III college regarding its policies on financial aid, practice and competition.

To view the core courses for Anchor Bay High School Go to
www.ncaaclearinghouse.net/NCAA/hs/index_hs.html

ARTICULATION AGREEMENTS

Articulation Agreements allow students to take certain Career/Technical classes in high school and earn varying amounts of college credit. Anchor Bay has developed Articulation Agreements with Macomb County Community College, St. Clair County Community College, Ferris State University and Baker University for students who successfully complete and meet the college requirements in the following areas:

Agriscience/Landscape Design
Auto Technology
Business
Child Care
Construction/Woodworking

Drafting (CAD)
Graphics
Health Occupations
Hospitality Management
Marketing

For more information, contact the specific Career/Technical teacher or your counselor.

AIR FORCE JUNIOR RESERVE OFFICER'S TRAINING CORPS (AFJROTC)

AEROSPACE SCIENCE COURSES—PHILOSOPHY AND OBJECTIVES

AFJROTC is a program of full-year character-building courses in which students may enroll for one, many, or all years of their high school career. Under certain circumstances, students may be permitted entry into the Corps at mid-year. Our program develops informed citizens with a strong sense of self-reliance and awareness of citizenship responsibilities in today's global society. We strengthen character and self-discipline, encourage high school completion and pursuit of higher educational goals, and provide unique leadership opportunities. Military protocol is followed in the classroom and students are required to pay respect to the flag and country and to follow the direction of instructors and ranking cadets. Students may take part in drill competitions and/or be members of color guard details for athletic and community events. Participation in the Corps is beneficial for future employment, higher education, and military service.

Course Materials

All texts and AFJROTC uniforms are provided at no cost to the student. Uniform wear is required on Wednesdays. First-year students are afforded the option of purchasing a red AFJROTC polo shirt for \$18 and wearing this with khaki pants on Wednesdays for their first semester only. Uniforms or unit shirts will be worn during selected field trips, community activities, color guards, and drill team performances.

Obligations and Benefits

There is **no military obligation**. Students do not incur any military obligation with AFJROTC participation. Benefits like college scholarships, military service academy appointments, and advanced enlisted promotion are available to students who complete a minimum of two years in AFJROTC. In addition, participation in the Corps is beneficial for future employment and non-military higher education.

Course Offerings

AEROSPACE SCIENCE: GLOBAL & CULTURAL STUDIES (7071/72) – FULL YEAR - 1 CREDIT: (GRADES 9-11)

DESCRIPTION: Text: Aerospace Science: Global and Cultural Studies, Volume 2. The first semester is a study of the East Asia—a region of timeless traditions and determined modernization. Almost two billion people, nearly one-third of all human kind, live in the area. The course uses multimedia, current events, and cultural activities to enhance learning. The second semester is a study of Latin America, a region of great contrasts. This semester looks at the region's complex geography, peoples, religions, and history. The course uses multimedia, current events, and cultural activities to enhance learning. These first and second semester courses will include a leadership course, Leadership I/II/III/IC as applicable, covering topics including customs and courtesies; drill and ceremony; management; public speaking; and, leadership concepts.

PREREQUISITE: None

FINE ARTS

ART

INTRODUCTION TO ART (7504) - 1 SEMESTER – 1/2 CREDIT

(GRADES 9-11)

DESCRIPTION: This course is a foundation class exploring a wide variety of media including drawing, painting, printmaking, and various other 2D and 3D experiences. Students will develop their ability to use the elements and principles of art to create expressive qualities in their art work. Students will practice self evaluation and critical thinking to assess outcomes by presenting a portfolio. This is a general art class designed for all students.

Materials fee: \$10.00.

Fulfills one semester of Applied Art credit.

ADVANCED ART (7534) - 1 SEMESTER – 1/2 CREDIT

(GRADES 9-11)

DESCRIPTION: This course is for all students who want a more in-depth experience in art. Students will use their prior art experience to develop a theme or concentration in their artwork. Emphasis will be placed on developing subject matter as well as improving techniques. Students will be shown how to organize a portfolio of their work. Students will practice self evaluation and critical thinking to assess outcomes by presenting a portfolio. This class may be taken more than once for additional credit.

Materials fee: \$10.00

PREREQUISITE: Introduction to Art and teacher approval.

INSTRUMENTAL MUSIC

9th CADET BAND (7601/2) - FULL YEAR - 1 CREDIT

(GRADE 9)

DESCRIPTION: The 9th Grade Cadet Band is a full year course designed for 9th graders to help develop their overall technique and musicianship. The band is comprised of woodwinds, brass and percussion, and will rehearse and perform a wide variety of music and styles. Obligations to this class include after-school performances and rehearsals. This includes Winter and Spring concerts, pre-festival concerts, and participation at the District 16 MSBOA Band Festival.

PREREQUISITE: Middle School band experience.

9th GRADE SYMPHONIC BAND – (7661/2) - FULL YEAR - 1 CREDIT

(GRADE 9)

DESCRIPTION: The 9th Grade Symphonic Band is a full year course designed for the advanced 9th Grade instrumentalist. Comprised of woodwinds, brass, and percussion, the members of the 9th Grade Symphonic Band will be selected through an audition process or teacher recommendation. This band rehearses and performs a wide variety of music and styles. Obligations to this class include after-school performances and rehearsals. This includes Winter and Spring concerts, Graduation, and participation at the District 16 MSBOA Band Festival.

PREREQUISITE: Middle School band experience with a successful audition or recommendation.

CONCERT BAND (7611/2) - FULL YEAR - 1 CREDIT**(GRADES 10-11)**

DESCRIPTION: The Concert Band is a full year course designed to help young musicians develop the basic technical aspects of their instrument while improving their overall musicianship. The band is comprised of woodwinds, brass, and percussion, and will rehearse and perform a wide variety of music and styles. Obligations to this class include after-school performances and rehearsals, including Winter and Spring concerts, pre-festival concerts, and participation at the District 16 MSBOA Band Festival.

PREREQUISITE: Middle School or High School band experience.

SYMPHONIC BAND (7621/2 or 7625/6) - FULL YEAR - 1 CREDIT**(GRADES 10-11)**

DESCRIPTION: The Symphonic Band is an intermediate ensemble, and a full year course. Comprised of woodwinds, brass and percussion, members of the Symphonic Band will be selected through an audition process or teacher recommendation. This band may be scheduled into separate hours, yet will combine in performance. This class performs a wide variety of music and styles. Obligations to this class include after-school performances and rehearsals. This includes combination rehearsals, Winter and Spring concerts, Graduation, and participation at the District 16 MSBOA Band Festival.

PREREQUISITE: Middle School or High School band experience with a successful audition or recommendation.

WIND ENSEMBLE (7651/2) - FULL YEAR - 1 CREDIT**(GRADES 10-11)**

DESCRIPTION: The Wind Ensemble is an advanced ensemble, and a full year course. Comprised of woodwinds, brass, and percussion, members of the Wind Ensemble are selected through a successful audition. This band rehearses and performs various styles of music such as classical, pop, marches, jazz, contemporary, etc. The music that is rehearsed and performed is at a greater difficulty level, and thus, requires that its members be more dedicated while displaying a higher level of technical ability. Obligations to this class include after-school performances and rehearsals, Winter and Spring concerts, Graduation, and participation at the District 16 MSBOA Band Festival.

PREREQUISITE: High School band experience with a successful audition.

JAZZ ENSEMBLE (7631/2) - FULL YEAR - 1 CREDIT**(GRADES 10-11)**

DESCRIPTION: The Jazz Ensemble is an advanced ensemble that selects its members through an audition process, and meets for the entire year. This ensemble is made up of trumpets, trombones, saxophones, and a rhythm section (guitar, piano, bass, and drum-set). The band focuses on rehearsing and performing the various styles of jazz, R & B, swing, rock, fusion, etc. Time is also spent in the development and implementation of improvisation skills, along with the basic knowledge of music theory. During the musical, it will be required of some members to help to form the pit orchestra. The Jazz Ensemble performs in the community as well as at the CMU Jazz Weekend, at MSBOA Jazz Festival, and at Winter and Spring concerts. Obligations to this class include after school performances and rehearsals. Students interested in taking Jazz Ensemble must plan their schedule accordingly to create room for an extra elective outside of the Michigan Merit Curriculum. One option to free-up schedule space is by taking required courses at community college or night school. This is not necessary, but will provide students in two band classes with more course options during their high school career.

PREREQUISITE: A successful audition including the ability to read standard notation.

MARCHING BAND (7641) - 1ST SEMESTER ONLY – 1/2 CREDIT**(GRADES 9-11)**

DESCRIPTION: The Marching Band is a musical marching unit that meets during the first semester. The ensemble consists of woodwinds, brass, percussion, and a color guard. Membership requires total dedication and maximum effort in all aspects of marching, playing, rehearsal, and performance. Failure to meet these requirements can result in a dismissal from the ensemble. The Marching Band provides entertainment at home football games, local parades and events, and at the District 16 MSBOA Marching Band Festival held in October. The ensemble rehearses mid-August through mid-October, Monday thru Thursday, from 2:30 p.m. to 4:00 p.m. The color guard and percussion sections may be required to hold additional rehearsals outside of the regular practices after school. Obligations to this class include some performances and rehearsals in the evenings and weekends. This includes local parades, home football games, Pre-Festival Invitationals, and participation at District 16 MSBOA Band Festival. Students are also obligated to attend summer marching camp. A calendar with all obligations is provided well in advance.

PREREQUISITE: Concurrently enrolled in another instrumental music course. Previous band experience or a successful audition.

VOCAL MUSIC**CONCERT CHOIR (7701/2) - FULL YEAR - 1 CREDIT****(GRADES 9-10)**

DESCRIPTION: Concert Choir is an INTERMEDIATE LEVEL choir – SAB or SATB depending on enrollment. This course is designed to provide students with the tremendous experience of singing in a large group – in HARMONY. Concert Choir continues to build upon the student’s previous singing experiences using proper VOCAL TECHNIQUE. The more experienced singer will be challenged by many SOLO opportunities and possible DIRECTING experiences. Students will have the opportunity to hear, appreciate, and perform a variety of different styles of choral music. Experiences utilizing CHOREOGRAPHY and SHOW CHOIR techniques will be provided in the spring semester. Festival participation and 4 (four) performances a year will be required and evaluated.

VOCAL ARTS (7711/2) - FULL YEAR - 1 CREDIT**(GRADES 10-11)**

DESCRIPTION: Vocal Arts Chorale is an ADVANCED SATB mixed choir for only the truly dedicated vocalist. The ensemble may meet during “Zero Hour” and admission into this course is by SUCCESSFUL AUDITION ONLY. A high degree of proficiency in sight-reading, vocal technique, and blending ensemble singing ability will be developed throughout the year. A large number of acapella pieces, madrigals, and challenging choral music in a variety of languages (from ALL STYLES and historical periods) will be studied and performed. Students will participate in workshops and a variety of performing experiences. Four concerts, Senior Awards Night, Graduation, District and State Choral Festival as well as other community out-reach experiences are mandatory and will be graded.

PREREQUISITE: High School vocal music experience with a successful audition.

DRAMA**DRAMA I (7904) - 1 SEMESTER – 1/2 CREDIT****(GRADES 9-11)**

DESCRIPTION: This course is designed for students primarily interested in acting and performance. Through assignments and activities, students will come to achieve comfort on stage, identify and use appropriate stage areas, define the elements of dramatic literature, analyze and create character, and critique dramatic performance. Basic theatre terms and practices will also be addressed. Students will demonstrate skills primarily in non-verbal communication, eventually incorporating some vocal skills, performing pantomimes, improvisations and finally memorized scenes.

DRAMA II (7914) - 1 SEMESTER – 1/2 CREDIT**(GRADES 9-11)**

DESCRIPTION: This course is designed for students who have successfully demonstrated the skills introduced in Drama I and wish to expand their knowledge of performance skills and modes. The concepts introduced in Drama I will be expanded upon, and a variety of performances will be presented in a more formal format. Performances will involve prepared presentations of literature, technical planning, and more intense literary and character analyses.

PREREQUISITE: Drama I and Drama Teacher recommendation.

**ADVANCED DRAMA (7921/2) – FULL YEAR - 1 CREDIT OR
(7924) 1 SEMESTER – 1/2 CREDIT****(GRADES 10-11)**

DESCRIPTION: As the third series of performance-oriented classes, this course begins to focus on the administrative and technical aspects of theatrical productions. Designing, planning and performing actual shows (i.e., the children's traveling show, group multiples, one acts, and individual projects) will be the focal points of the class, emphasizing cooperative, creative efforts and production.

PREREQUISITE: Drama II or Drama Teacher recommendation.

LANDSCAPE DESIGN

LANDSCAPE DESIGN, TURF AND GREENHOUSE MANAGEMENT (5364)**1 SEMESTER – 2 HOURS - 1 CREDIT****(GRADES 10-11)**

OFFERED AT MIDDLE SCHOOL SOUTH

DESCRIPTION: Landscape, turf management and greenhouse management has one central focus: using plants to benefit people. From careers in the industry to the growing of annual plants, landscape, turf and greenhouse management blends basic biological concepts with "hands on" activities. Students will use computers to design landscapes, identify plants, design maintenance programs and create advertising to promote horticultural products. Active participation in classroom and outdoor activities will be emphasized. Upon successful completion of this program, students will have the opportunity to acquire state certification in landscaping.

FLOWER SHOP MANAGEMENT (5351/2) – FULL YEAR - 1 HOUR - 1 CREDIT**(GRADE 11)**

OFFERED AT HIGH SCHOOL

Flower Shop Management is a class designed to give students the "hands-on" experience of what it takes to run a successful business. Students will be running the store, planning sales and projects, selecting merchandise, doing visual merchandising and using the computer for keeping records and inventory. Students will be introduced to more advance floral designs like wedding and banquets, and will learn to plan a party working within a budget.

PREREQUISITE: Teacher approval.

BUSINESS AND MARKETING TECHNOLOGY

BUSINESS

Students successfully completing the courses in this program may qualify for college credit through Articulation Agreements with various area colleges and universities. Students may also qualify to become a member of our Internship Program and receive a job in their related field their senior year. See the instructor and/or counselor for more information.

BUSINESS WEBSITE DESIGN I (5104) - 1 SEMESTER - 1/2 CREDIT (GRADES 9-11)

DESCRIPTION: This course is an introduction to the world of Website Design! Students will start with learning the basics, HTML and JavaScript. Other programs that may be covered are macromedia Products, including Dreamweaver and introduction to Flash. In addition, principals, practices, and procedures are taught in a broad sense that will apply to many different types of businesses. Students will enhance their skills through direct hands on projects, quizzes, research, and tests. Students will create numerous websites of their own throughout the semester.

BUSINESS WEBSITE DESIGN II (5114) - 1 SEMESTER - 1/2 CREDIT (GRADES 9-11)

DESCRIPTION: Business Website Design II is a one-semester course, which builds upon Business Website Design I course. Students will enhance their existing website design skills through direct hands on projects, quizzes, research and tests. Programs that may be covered are HTML; Javascript; E-Commerce, Macromedia Products = Flash, Dreamweaver, Fireworks, and Freehand. Students will assist teaches and other students in projects. Business Web Design I & II may be taken both semesters to have a full year of web design.

PREREQUISITE: Business Website Design I or Instructor's Approval.

ADVANCED BUSINESS WEBSITE DESIGN (5014) - 1 SEMESTER - 1/2 CREDIT (GRADES 10-11)

DESCRIPTION: Business Website Design III is a one-semester course, which builds upon Business Website Design I & II courses. Students will enhance their existing website design skills through direct hands on projects, quizzes, research, and tests. Students will assist teaches and other students in projects. Programs that may be covered are HTML, Javascript, E-Commerce, Macromedia Products = Flash, Dreamweaver, Fireworks, and Freehand.

PREREQUISITE: Business Website Design I, Business Website Design II, or Instructor's Approval.

BUSINESS COMPUTER TECHNOLOGY (5024) - 1 SEMESTER - 1/2 CREDIT (GRADES 9-11)

DESCRIPTION: This course is designed to teach students the computer for both personal and professional use. Microsoft Office 2003 (Word, Excel, and Powerpoint) and/or the internet will be used to complete all assignments. Also introduced in this class is an introduction to Accounting (using Excel), and a review of e-mail and Internet searches.

This course satisfies Applied Arts requirement.

BUSINESS ADMINISTRATION I (5044) - 1 SEMESTER - 1/2 CREDIT**(GRADE 11)**

DESCRIPTION: Develop technical skills for the 21st century including learning to use Palm Pilots, PDA's, (hot sync, scheduling, business contacts, expense reports), also developing websites using FrontPage, Publisher, and Internet sites for personal and professional use. (Scanners and Digital Cameras will be used). Students will become proficient with the interview process and develop employability skills preparing professional resumes and a variety of job-seeking correspondence. Business ethics will be explored.

This course is highly recommended if you are considering the Internship Program.

PREREQUISITE: Business Computer Technology/CIS preferred.

BUSINESS ADMINISTRATION II (5054) – 1 SEMESTER - 1/2 CREDIT**(GRADE 11)**

DESCRIPTION: The students will be exposed to Adobe Photoshop, and will use Microsoft Office XP programs to assist in producing class work. Team projects will explore Career Pathways. Students will also be exposed to foundations such as: the accounting cycle, payroll systems, records management, telecommunications and Tablet P.C.'s. Colleges and careers will be explored.

This course is highly recommended if you are considering entering the Internship Program.

PREREQUISITE: Business Computer Technology/CIS/Business Administration I preferred.

COMPUTER INFORMATION SYSTEMS I (5064) – 1 SEMESTER - 1/2 CREDIT**(GRADES 10-11)**

DESCRIPTION: This course will continue to develop strong skills in Microsoft Office 2003. Students will also obtain a greater understanding and proficiency in Word, PowerPoint, Desktop Publishing, Multimedia, and Publisher. Digital cameras, scanners will be used for presentations along with proper use of the internet.

Preparing students for the Microsoft Office Specialist (MOS) Certifications that will be during the Business Management course in 12th grade.

PREREQUISITE: Business Computer Technology preferred.

COMPUTER INFORMATION SYSTEMS II (5074) – 1 SEMESTER - 1/2 CREDIT**(GRADES 10-11)**

DESCRIPTION: This course is a continuation of CIS I. Students will develop proficiency with integration of Excel, Access, and Publisher in the Microsoft Office 2003 Suite. Both semesters of Computer Information Systems are an excellent foundation for students entering the Internship program and/or entering almost any field of study in college.

Preparing students for the Microsoft Office Specialist (MOS) Certification that will be during the Business Management course in 12th grade.

PREREQUISITE: Business Computer Technology preferred.

BUSINESS MANAGEMENT AND MARKETING (5111/2) - FULL YEAR - 1 CREDIT**(GRADE 11)**

Exploring the stock market and international business are an integral part of this course. Students will learn how to manage money wisely and live independently without having bad credit. Checking accounts will be explored using Quicken. Students will also be exposed to learning how to prepare a 1040 EZ tax form. In addition, students will prepare for the Microsoft Specialist Certification Exam (formerly MOUS). Leadership, ethics and entrepreneurial skills will be developed. At the end of the course, students will have completed a professional portfolio.

PREREQUISITE: Business Computer Technology/Intro. to Business/CIS/Business Administration preferred.

COMPUTERIZED ACCOUNTING (5091/2) - FULL YEAR - 1 CREDIT**(GRADE 11)**

DESCRIPTION: This is a one-year course which covers the accounting cycle beginning with the opening entry in the journal, posting to the ledger, taking a trial balance, preparing a work sheet and finally preparing the financial reports or statements of a business. Students will be using a computerized accounting system that applies all concepts and skills learned.

PREREQUISITE: Business Computer Technology/CIS would help with computer use.

MARKETING

Students successfully completing the courses in this program may qualify for college credit through Articulation Agreements with various area colleges and universities. Students may also qualify to become a member of our Internship Program and receive a job in their related field their senior year. See an instructor and/or counselor for more information.

INTRODUCTION TO BUSINESS (5141/2) - FULL YEAR - 1 CREDIT**(GRADES 9-11)****(5144) - 1 SEMESTER - 1/2 CREDIT**

DESCRIPTION: This course is designed to explore creative marketing careers in Sports, Music and Entertainment, Hospitality and Tourism, Fashion Apparel and Accessories, Hotel and Restaurant Management, Retail and Merchandising, Advertising, Finance, Business Law and other areas in the marketing environment. Students learn basic marketing concepts through direct instruction and through hands on activities related to economics, marketing, business fundamentals, communications, human relations, technology and mathematics. Students will understand the functions of marketing and how effective marketing is important and profitable. Students are encouraged to join DECA (Marketing Club) to promote leadership development and community service. Also marketing students have the opportunity to be selected for school store management and/or internship experience (Co-op). Intro to Business I is concerned with the following:

1. Economics
2. Careers
3. Banking (checking, savings, investing
4. Credit
5. Consumer
6. Investments
7. Insurance
8. Practice set (bookkeeping, real business expenses, Invoice & Purchase Orders, Checkbook, Filing)

MARKETING (5151/2) - FULL YEAR - 1 CREDIT**(GRADES 10-11)**

DESCRIPTION: Marketing is an instructional program that prepares individuals to perform marketing and management functions and tasks that can be applied broadly in any marketing environment. Principles, practices and procedures are taught, but without particular identification with a specific kind of business, product or service. Content addresses the functions of marketing. The marketing education core curriculum is the basis for program instruction. Additional competencies (or assignments) may be made to individual students to allow for specialization. Areas of specialization may include general merchandising, apparel and accessories, food marketing, advertising/display, finance and credit, hotel/motel, restaurant marketing and other areas. Students are encouraged to join DECA (Marketing Club).

MERCHANDISING (5171/2) - FULL YEAR - 1 CREDIT**(GRADE 11)**

DESCRIPTION: This one-hour course is designed to develop skills, knowledge and attitudes that are related to the field of marketing and directed towards each student's individual career in Marketing Education. Major emphasis is placed on the areas of advertising, human relations, operations and management, communications, math, product technology, display merchandising, selling and marketing concepts. Students are encouraged to join DECA (Marketing Club).

PREREQUISITE: Intro to Business recommended.

STORE MANAGER (5191/2) - FULL YEAR - 1 CREDIT**(GRADE 11)**

DESCRIPTION: The students will act as managers of the School Store. Their duties will be to keep the store running smoothly, keep records of the store's operations, train students on cash registers, price marker and supervision of the store. Students must join DECA (Marketing Club).

PREREQUISITE: Intro to Business and Marketing Teacher approval.

EARLY CHILDHOOD DEVELOPMENT

Students successfully completing the courses in this program may qualify for college credit through Articulation Agreements with various area colleges and universities. Students may also qualify to become a member of our Internship Program and receive a job in their related field their senior year. See an instructor and/or counselor for more information.

CHILD DEVELOPMENT I (5204) - 1 SEMESTER – 1/2 CREDIT

(GRADES 9-11)

DESCRIPTION: Students will study factors that affect the growth and development of young children from conception through the first year of life. This includes a thorough study of prenatal influences and possible problems, pre and postnatal care, labor and delivery and the needs of the child newborn to 12 months. The four areas of development (physical, social, emotional and intellectual) will be a focus on the study of the whole child along with appropriate care and guidance for each stage discussed. Students will use the simulated baby.

CHILD DEVELOPMENT II (5214) - 1 SEMESTER – 1/2 CREDIT

(GRADES 9-11)

DESCRIPTION: This class is a continuation of Child Development I. Students will study the four areas of a child's development from ages one to twelve. Theory, health and safety, positive guidance, special needs of children and careers with children will all be thoroughly addressed. Students will have the opportunity to observe in our high school childcare setting.

PREREQUISITE: Child Development I

CHILD CARE I (5221/2) - FULL YEAR - 2 HOURS/2 CREDITS

(GRADES 10-11)

DESCRIPTION: This course provides classroom instruction along with "on the job" training giving real work experience. Students will work as teacher assistants with preschool children. They will plan and implement developmentally appropriate activities for young children as in accordance with the National Association for the Education of Young Children (N.A.E.Y.C.). Students will be provided supervision and support as they apply learned principles. Employment skills will be taught and used continually. Students will be expected to build a binder of developmentally appropriate lesson plans for preschool children and create a professional portfolio. Recommended for students wanting to work in a day care or pre-school setting. This program focuses on Early Childhood Education.

PREREQUISITE: Child Development I and II; A physical examination and negative TB test. Students will be screened to enter the program based on attendance, behavior and grades. They will also have to be cleared to work with children through Children's Protective Services.

****Articulation Agreement with Macomb Community College and Baker College: Students who successfully complete two years of Child Care may be eligible to receive college credits from Macomb County College and Baker College when enrolled in their Child Care Program.**

CHILD CARE II (5231/2) - FULL YEAR - 2 HOURS/2 CREDITS**(GRADE 11)**

DESCRIPTION: Students will receive extensive experience with planning and conducting curriculum, assessing and observing children and contacting and working with parents of preschool children. They will learn and implement Early Childhood educational theory in all aspects of a preschool program. Students will learn overall management of an Early Childhood setting. Students are expected to exhibit professional techniques in this field as learned in Child Care I. A portfolio will be developed by the students to use in their career as Early Childhood professionals. A certificate will be issued upon completion of the program. See Business Internship Program.

PREREQUISITE: Child Care I

HOSPITALITY MANAGEMENT**EXPLORATORY FOODS (5294) - 1 SEMESTER – 1/2 CREDIT****(GRADES 9-11)*****OFFERED AT HIGH SCHOOL***

DESCRIPTION: This is a course which explores the art of cooking and its techniques. The class involves a detailed study of foods, nutrition, and management of time with an emphasis on special cooking techniques such as pie making, bread making, cake decoration, pasta making, preparation of meats, ethnic foods and quantity cooking. Job opportunities in the food industry will be explored.

Completion of this course satisfies the Applied Arts requirement.

HOSPITALITY MANAGEMENT I (5261/2) -FULL YEAR–2 HOURS/2 CREDITS (GRADES 10-11)***OFFERED AT MIDDLE SCHOOL SOUTH***

DEPENDING ON WHEN THE STUDENT IS SCHEDULED FOR THIS COURSE, THE STUDENT WILL NEED TO PROVIDE THEIR OWN TRANSPORTATION BEFORE SCHOOL OR AFTER SCHOOL.

SHUTTLES ARE AVAILABLE DURING THE MIDDLE OF THE SCHOOL DAY ONLY, BUT NOT BEFORE OR AFTER SCHOOL.

DESCRIPTION: Students will learn the basics of the hospitality industry including commercial food preparation, catering, conference planning and promotion, and all business components of a successful restaurant, conference or hotel operation. There is a five-hour Practicum required for this course. The Practicum hours will occur after school hours. See T & I Internship Program.

PREREQUISITE: Exploratory Foods recommended. Instructors approval is required to take this class.

HOSPITALITY MANAGEMENT II (5271/2) - FULL YEAR 2 HOURS /2 CREDITS**(GRADE 11)**

OFFERED AT MIDDLE SCHOOL SOUTH

DEPENDING ON WHEN THE STUDENT IS SCHEDULED FOR THIS COURSE, THE STUDENT WILL NEED TO PROVIDE THEIR OWN TRANSPORTATION BEFORE SCHOOL OR AFTER SCHOOL.

SHUTTLES ARE AVAILABLE DURING THE MIDDLE OF THE SCHOOL DAY ONLY, BUT NOT BEFORE OR AFTER SCHOOL.

DESCRIPTION: Students will develop a more in depth understanding of the hospitality industry including commercial food preparation, catering, conference planning and promotion, and all business components of a successful restaurant, conference or hotel operation. There is a ten-hour Practicum required for this course. The Practicum hours will occur after school hours. See T & I Internship Program.

PREREQUISITE: Hospitality Management I. Instructors approval is required to take this class.

TRANSPORTATION TECHNOLOGY

Students that complete a 4 to 6 Semester Sequence of classes in Transportation Technology could be prepared to enter industry as a certified mechanic. Students will prepare for and be encouraged to take the **State of Michigan Certified Mechanics Tests**, and the **ASE Certification Tests**. Students successfully completing a 4 semester sequence can qualify for college credit at Macomb, Ferris State, Northwestern Ohio, and other area colleges and universities. Students may also be eligible to become involved in our Cooperative Training program, or work student program to work at a job in their related field in their senior year. The auto instructor and counselors have more information on these Articulation Agreements and Internship Programs. Students will also have the opportunity to participate in Skills USA, a National Vocational Student Organization, and compete in Skill contests and Leadership Development; in the Ford/AAA Student Auto Skills Contest; and to build project vehicles for Autorama and the High School Drag Nationals.

NOTE: The hour after high school dismissal – Students should pick up a Transportation Option Information Sheet when registering for class. The form must be filled out and signed by parent/guardian and given to instructor indicating how each student will arrive at and leave Middle School South.

ALL TRANSPORTATION TECHNOLOGY COURSES OFFERED AT MIDDLE SCHOOL SOUTH.

ENGINE PERFORMANCE & ENGINE REPAIR (6304) – ONE SEMESTER – 2 HOURS/1 CREDIT (GRADES 9-11)
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OFFERED AT MIDDLE SCHOOL SOUTH

DESCRIPTION: Instruction in this class will deal specifically with engine control and the operation of the automobile gasoline engine. Students will study the operation of the engine and will receive classroom and shop instruction in engine service short of major over haul. Engine systems and service such as timing belt/chain service, head gasket service, seals and gasket service and replacement, cooling, lubrication, ignition and fuel system service will be included in the Engine Repair Section (approximately 8 weeks). The Engine Performance Section (12 weeks) will deal with the operation and diagnosis of engine control systems. (Computer Control) ignition systems, emission systems and related engine control systems will be covered. Electrical and electronic theory, logic based diagnosis, use of scan tools and information systems will be included. Safety glasses and protective clothing are required.

PREREQUISITE: General Auto Service or permission from Instructor required.

AUTOMOTIVE ELECTRICAL & ELECTRONIC SYSTEMS & AIR CONDITIONING – (6314)
ONE SEMESTER-2 HOURS-1 CREDIT (GRADES 9-11)

OFFERED AT MIDDLE SCHOOL SOUTH

DESCRIPTION: Instruction in electrical and electronic systems in the chassis and body of today's automobiles will be covered. Students will study electrical and electronic theory and will develop a logic based approach to diagnosis and repair of common electrical problems. Use of scan tools, lab scopes and hand held test equipment will be included. Students will also study heating and air conditioning system theory and service, including basic service and repair. (System testing, evacuation and re-charge and component replacement.) Safety glasses and protective clothing are required. Purchase of personal digital multi-meter suggested.

PREREQUISITE: General auto service required or permission of instructor. (entry exam may be required).

GENERAL AUTO SERVICE – (6324) ONE SEMESTER-2 HOURS-1 CREDIT (GRADES 9-11)

OFFERED AT MIDDLE SCHOOL SOUTH

DESCRIPTION: This class is designed as an introduction to Auto Service and is recommended and often required for all other classes offered in Auto Technology. Instruction will include general chassis and engine systems service including oil change and lubrication, wheels and tires, steering and suspension systems, brake systems, cooling systems, starting and charging systems and chassis electrical systems. Basic shop operations, safety, hand tools, shop equipment use and test equipment use will be emphasized. Safety glasses and protective clothing are required. Protective clothing will be provided. Students are responsible for washing/cleaning protective clothing. Students may provide their own clothing if they choose. Instruction and activities will be divided between classroom instruction and hands on lab work.

AUTOMOTIVE BRAKE SYSTEMS, STEERING & SUSPENSION SYSTEMS & SERVICE – (6334)
ONE SEMESTER-2 HOURS-1 CREDIT (GRADES 9-11)

OFFERED AT MIDDLE SCHOOL SOUTH

DESCRIPTION: Instruction and lab activities in brake system service; disc, drum and anti-lock systems will be covered. Students will receive instruction in theory, service, diagnosis and repair of common brake systems used on today's automobiles. Instruction and lab activities in steering and suspension systems including theory, service and diagnosis and repair of common steering and suspension systems used on today's automobiles including wheel alignment using Hunter Alignment equipment. Safety glasses and protective clothing are required.

PREREQUISITE: General auto service required or permission from instructor.

Upon completion of this semester students will be strongly urged to take the State of Michigan or the ASE Certification Exams in Brake Systems and Steering and Suspension Systems. Students can use this test as an alternative to the regular semester exam.

AUTOMOBILE DRIVE TRAINS & ADVANCED ENGINE PERFORMANCE – (6344)

OFFERED AT MIDDLE SCHOOL SOUTH

DESCRIPTION: Instruction in the Theory and Operation of Automotive Drive trains will be covered in both classroom and shop activities. Manual and automatic transmissions, transaxles and rear axle maintenance and service will be covered. (This class will not overhaul transmissions or rear axle units.) Advanced engine performance will provide instruction and shop activities in drive train control. Engine, drive train and body control and how they relate to one another will be studied. Fuel systems and evaporative emission systems will also be included for further study. Safety glasses and protective clothing are required. Personal digital multi-meter suggested. Outside reading and study will also be important and necessary.

PREREQUISITE: Students in this class must have successfully completed the engine performance and engine repair class or the electrical and electronic systems class and have instructor approval.

HEALTH OCCUPATIONS

Students successfully completing the courses in this program may qualify for college credit through Articulation Agreements with various area colleges and universities. Students may also qualify to become a member of our Internship Program and receive a job in their related field their senior year. See instructor and/or counselor for more information.

HEALTH OCCUPATIONS I (5281/2) - FULL YEAR – 1 CREDIT**(GRADES 9-11)**

DESCRIPTION: This course is designed to give students an opportunity to explore many different health careers through class work, and speakers. They will learn how they can make a difference in the health of their community. Students will also study anatomy, physiology and diseases of the human body. Students are given the opportunity to become first aid and adult CPR certified.

PREREQUISITE: A Lab fee of \$10 is required to cover the cost of some consumable materials.

HEALTH OCCUPATIONS II (5291/2) - FULL YEAR – 2 HOURS/2 CREDITS**(GRADES 10-11)**

DESCRIPTION: Students will continue to research and study different health occupations during this two-hour block class. They will explore several jobs in depth, such as nurse assistant, medical assistant, physical therapy assistant, dental assistant, etc. Students go off site to job shadow at a local area hospital. Purchasing of scrubs is required in order to job shadow. Students will be instructed in proper body mechanics and universal precautions. They will continue their studies in medical language and begin studying human Anatomy and Physiology. Students will have the opportunity to renew their adult CPR certification and add Infant and Child CPR certification. Students can qualify for our Internship Program through this class also. See T&I Internship Program.

PREREQUISITE: Passing Health Occupations I. A lab fee of \$10 is required to cover the cost of some consumable materials.

COMPUTER AIDED DRAFTING & DESIGN

Students successfully completing the four-year sequence in CAD may qualify for credits at Macomb Community College through an Articulation Agreement. We also have an Articulation Agreement with Ferris State University. (Contact your CAD teacher or counselor for credit information.) Students enrolled in this program may be eligible to become involved in our Internship Program their senior year of high school .

INTRODUCTION TO CAD TECHNOLOGY (6074) - 1 SEMESTER – 1/2 CREDIT (GRADE 9-11)

DESCRIPTION: This course is an introduction to the principles of drafting that are used in industry. Topics include employability skills needed for life long employment, CAD related career exploration, technical sketching, lettering, multi-view drawings, and dimensioning practices. This is an applied arts course. Students will utilize state of the art CAD equipment and learn the 2-D CAD software commands necessary to create and edit industry standard drawings. Most of the instruction, assessment, and communication in this course are delivered in an “on-line” learning environment utilizing internet-based tools such as Blackboard Learning System™, combined with local multi-media, and Microsoft® Office™ software programs. Students who are interested in 3D – drawing should take CADI I instead of this course as their introduction to CAD. This course may meet the prerequisite for all other CAD courses with Instructor permission.

COMPUTER AIDED DRAFTING /CAD I –(6071/2) –FULL YEAR – 1 CREDIT (GRADE 9-11)

DESCRIPTION: This course is an introduction to the principles of drafting that are used in industry. Topics include employability skills needed for life long employment, CAD related career exploration, technical sketching, lettering, multi-view drawings, and dimensioning practices. This is an applied arts course. Students will utilize state of the art CAD equipment and learn the 2-D CAD software commands necessary to create and edit industry standard drawings. Most of the instruction, assessment, and communication in this course are delivered in an “on-line” learning environment utilizing internet-based tools such as Blackboard Learning System™, combined with local multi-media, and Microsoft® Office™. The second semester students will use an artistic/creative process and move to 3D with Solid Works ®™ software, and create a complete set of working drawings for competition, including sectional views and fasteners. This course is a prerequisite for all other CAD courses.

ADVANCED COMPUTER AIDED DESIGN I /ADCAD I - (FULL YEAR - 2HOURS/2CREDITS (6091/2) OR ADVANCED COMPUTER AIDED DESIGN I /ADCAD I – (FULL YEAR – 1 HOUR/1 CREDIT (6081/2) (GRADE 10-11)

DESCRIPTION: This course is available as a 2hour block option or a 1 hour course option. Students who can only take the 1hour option will have less independent drawing and design project time and should expect homework outside of class. This course is a pre-engineering, pre-architecture, and cross-discipline course that meets national standards for technology, math, science and language arts. This is an applied arts course. Students engage in real life projects, and develop skills that focus on teamwork, design, mathematics, science, and technology. Students will expand their knowledge of A.N.S. I drafting standards and computer aided drafting concepts introduced in Introduction to CAD or CADI. They will utilize state of the art CAD equipment to reinforce their competency in Pre-engineering concepts and parametric solid modeling in 3D will be explored in the product life cycle management software Solid Works ®™. Students will also explore pre-architectural concepts and begin designing a complete set of residential plans in the building information management software ArchiCAD ®™. The end of this course will introduce visualization and animation techniques in Google Sketchup Pro software. Students will use the artistic/creative process in all design projects throughout this course. Most of the instruction, assessment, and communication in this course are delivered in an “on-line” learning environment utilizing internet-based tools such as Blackboard Learning System™, combined with local multi-media, and Microsoft® Office™ software programs.

ADVANCED COMPUTER AIDED DESIGN II/ADCAD II - (FULL YEAR 2HOURS/2CREDITS (6101/2)
OR
ADVANCED COMPUTER AIDED DESIGN II/ADCAD II – (FULL YEAR – 1 HOUR/1 CREDIT (6041/2)
(GRADE 10-11)

DESCRIPTION: This course is available as a 2hour block option or a 1 hour course option. Students who can only take the 1hour option will have less independent drawing and design project time and should expect homework outside of class. This course is a pre-engineering, pre-architecture, and cross-discipline course that meets national standards for technology, math, science and language arts. Students engage in real-life projects, and develop skills that focus on teamwork, design, mathematics, science, and technology. Students will expand their knowledge of A.N.S.I. drafting standards and computer aided drafting concepts explored in Advanced CAD I while utilizing state of the art CAD equipment to reinforce their competency in the 2D CAD software. Pre-engineering concepts and parametric solid modeling in 3D will be explored in the product life cycle management software Solid Works ®™ Students will also complete a full set of residential architecture plans in the building information management software ArchiCAD ®™. This course will expand upon the visualization and animation techniques from Google Sketchup Pro software. & Explore Animation in a variety of state of the art software programs. Students will use the artistic/creative process in all design projects throughout this course. Most of the instruction, assessment, and communication in this course are delivered in an “on-line” learning environment utilizing internet-based tools such as Blackboard Learning System™, combined with local multi-media, and Microsoft® Office™ software programs.

ROBOTICS

INTRODUCTION TO ROBOTICS ENGINEERING (6134) 1 SEMESTER – ½ CREDIT
(GRADES 9-11)

This comprehensive curriculum provides 20 weeks of robotics instruction and serves as an exhaustive introduction to the Lego Mindstorms Education NXT system and all concepts associated with mobile robotics. Students’ progress through activities designed to teach programming, behaviors, systems, control sensors, feedback and more. Along the way they will address key technology, math and science concepts. The curriculum focuses on applied inquiry, motivated design, communications technology, scanning, mapping and more.

COMMUNICATION TECHNOLOGY

The term graphics relates to visual, and the term communication refers to the exchange of information in any form. This class is designed for ALL students who are interested in learning how to design and then create. Students will use words, pictures, photographs and a combination of these items to design and produce various projects. Some examples of these objects include, magazine and newspaper advertisements, posters, CD covers, flyers, and business forms. Although computers will be used for a majority of these projects, previous computer experience and artistic ability is not a must. Student will learn by doing. Projects are designed to build hands on skills. Advanced students may qualify to receive a job through our Internship Program their senior year.

INTRODUCTION TO GRAPHIC ARTS COMMUNICATION/COMPUTER DESIGN (6164)
1 SEMESTER – 1/2 CREDIT
(GRADES 9-11)

DESCRIPTION: This course is designed to teach and provide the students with a basic knowledge of the Graphic Arts. Students will produce variety of projects, including Electronic Publishing and Desktop Publishing. They will learn fundamentals of layout and design, scanning, and desktop composition software. Students will learn by doing, this is a hands on class.

GRAPHIC ARTS COMMUNICATION/COMPUTER DESIGN I**(GRADES 9-11)****(6171/2) - FULL YEAR - 1 CREDIT**

DESCRIPTION: This course is designed to increase skill level and knowledge of the Graphic Arts. Students will produce variety of projects, including Advertisements for Magazine and Newspapers, a set of Business Stationary, Flat Color Printing and a variety of several other design projects. A portfolio of their work will be developed and entry in local craftsmanship contests is encouraged (MITES). Students will be responsible for additional stock and entry fees.

GRAPHIC ARTS COMMUNICATION/COMPUTER DESIGN II**(GRADES 10-11)****(6181/2) - FULL YEAR – 2 HOURS/2 CREDITS OR (6161/2) - FULL YEAR – 1 HOUR/1 CREDIT**

DESCRIPTION: This course is designed to prepare students for careers in the rapidly growing graphics arts/visual arts field. They will continue work in InDesign, Photoshop, and Illustrator. They will be introduced to animation in Photoshop. Students will be working on projects in electronic publishing including posters, logo design, product and packaging, advertising campaigns, one color printing, flat color printing and production printing. They will continue to build on skills for applying their work in real life scenarios. Students will be adding to their portfolio. Quality and safety is stressed. Students will be entering local craftsmanship contests.

Internship and apprenticeship jobs may be available to qualified students.

PREREQUISITE: Graphic Arts Communication/Computer Design I.

BROADCASTING (1131/2) – FULL YEAR – 1 CREDIT OR**(1134) 1 SEMESTER - 1/2 CREDIT****(GRADES 10-11)**

DESCRIPTION: This course offers students the opportunity to engage in the lively art of communication, generating commercials, PSA's and daily school news broadcasts. Students gain exposure to and knowledge of this media by using technology. Students use a variety of resources in order to create their finished and publicly viewed products. Students film sporting events, produce and edit commercials and public service announcements. They also produce a daily broadcast that is shown to the school and played on Comcast Channel 6 two times a day.

The class is run as a "hands on" experience with the students filling all the roles found in an actual news broadcast. The students research the stories that they report on and can even do "in the field" assignments. One day they may be anchoring behind the news desk and the next time running the camera or directing. They even get a chance to run the sound board and toaster. No, they are not making breakfast; the toaster is a VT-3 Editing Computer program that allows for the whole broadcast to be put together with the special effects, blue screen, news clips, and transitions. It is ONLY open to sophomores, juniors and seniors and can be taken as a one semester or full year course.

IN ORDER TO SUCCEED, STUDENTS WHO APPLY FOR THIS COURSE SHOULD BE SOCIALLY MATURE, SELF-MOTIVATED, AND ABLE TO WORK CLOSELY WITH OTHERS.

PREREQUISITE: Student must have a minimum of a C in English to take this course.

CONSTRUCTION INDUSTRIAL TECHNOLOGY

The Construction Industrial Technology Programs are designed to provide learning experiences in Construction and related building electrical trade careers. Students that complete the two-year sequence will be provided job entry-level skills in the areas of various Electrical Trades Careers. Students may also qualify to become a member of our Internship Program and receive a job in the related field their senior year. See your Construction Instructor and/or Counselor for more information.

INTRODUCTION TO CONSTRUCTION INDUSTRIAL TECHNOLOGY (6154) –

1 SEMESTER -1/2 CREDIT

(GRADES 9-11)

Description: Students will learn basic tool usage and safety as related to residential construction industry. Exposure will be given to electrical trades that work in constructing homes. The students will learn Job Safety, Bending of Conduit, Test Equipment, and Residential wiring. Students who are considering a career in the electrical industry should take this class. Projects will be wiring residential circuits and panels. Students will also learn construction concepts.

Materials Required: Students may be required to cover project costs.

CONSTRUCTION TECHNOLOGY

The Construction Technology Programs are designed to provide learning experiences in Construction and related building trades careers. Students that complete the three-year sequence will be provided job entry-level skills in the areas of various Building Trades Careers. Articulation Agreements exist between the Construction Technology Department and different universities. Students may also qualify to become a member of our Internship Program and receive a job in the related field their senior year. See your Construction instructor and/or counselor for more information.

INTRODUCTION TO CONSTRUCTION TRADES (6234) - 1 SEMESTER – 1/2 CREDIT

(GRADES 9-11)

Description: Students will learn basic tool usage and safety as related to the residential construction industry. Exposure will be given to all trades that work in constructing homes. The students will also learn basic plumbing. Students who are considering a career in the building industry should take this class. Projects will be limited to demonstrating tool usage and construction concepts.

Materials Required: Student may be required to cover project costs.

CONSTRUCTION TRADES (6245/6) FULL YEAR - 2 CREDITS – 2 HOURS

(GRADE 11)

DESCRIPTION: The construction trades program is designed for students who are interested in entering the construction industry. This class is geared towards construction of homes. Students will work with the teacher, who is a licensed builder, in all facets of home construction. Emphasis will be on helping students understand all of the processes in the construction of the home, as well as the skills involved in each trade. Students who successfully complete this class will have an excellent opportunity for placement in the trade of their choice. Decks, sheds, garages and homes should be constructed. Seniors students will be eligible for the T & I Internship Program.

PREREQUISITE: Successful completion of Introduction to Construction Trades. (C or better and teacher approval.)

COMPUTER SCIENCE

COMPUTER SCIENCE (5504) - 1 SEMESTER – 1/2 CREDIT

(GRADES 9-11)

DESCRIPTION: This course is designed to teach students how to use computers as a tool to achieve the intended result. Using the current MicroSoft operating system, the students will be exposed to computer terminology, general information about computer components, LAN & WAN network, and the integrated software package MS Office. The aspects of MS Office covered will be word processing, Excel, Access and Power Point. They will also learn to use a scanner, have access to the Internet, will obtain e-mail addresses, and gain knowledge of how to do a proper online search. As time permits, students will create a one page website using software to generate the proper code.

MULTIMEDIA (5514) - 1 SEMESTER – 1/2 CREDIT

(GRADES 10-11)

DESCRIPTION: Learning + Education = Fun! This course is a break from your traditional classroom learning experience. It centers on teaching the students how to create and design their own website from scratch using material that they have researched off the Internet, as well as incorporating pictures they digitally process. The students will be coding their websites using HTML & JAVASCRIPT. They will create and edit their own movies. Each website will incorporate the full multimedia experience – sound, videos, graphics, counters, guest books, forms, e-mail and more! The classroom is equipped with still and video digital cameras, scanners, movie production software and a graphics package. In addition, we will embed pre-made JavaScript to include some additional neat features to their websites. At the completion of the course, the students will have either posted their entire website online or will receive a downloaded copy of their semester's work on CD.

PREREQUISITE: C or better in Computer Science OR Programming I.

Recommended: C or better in Algebra.

PROGRAMMING I (5524) - 1 SEMESTER – 1/2 CREDIT

(GRADES 10-11)

DESCRIPTION: Using the C++ language, this course will introduce students to beginning programming techniques that can be translated to almost any programming language they wish to learn. They will be taught how to format output, declare variables and constants, read and write from files, use while and for loops, conditional statements, switch statements, Boolean logic, relational & logical operators, random number generation, declare and use functions and classes. Each project will entail the development of software. As time permits, our final project is the simulation of a simple computer game. The information covered in this course will provide the student with a sound base of knowledge for further coursework at the college level in CIS, Computer Programming, etc.

PREREQUISITE: C or better in Algebra required.

Recommended: B or better in Algebra.

PROGRAMMING II (5534) - 1 SEMESTER – 1/2 CREDIT

(GRADES 10-11)

DESCRIPTION: This course incorporates more advanced programming techniques such as creation of program test files, how to statically and dynamically store data, sorting routines to organize data in a usable manner, loading data, changing the data & rewriting the database with updates. Students will work independently throughout the semester to develop their own programs. This course is geared for the student who is serious about a career in Computer Science and who wishes to gain a 'head start' on college coursework.

PREREQUISITE: C or better in Programming I.

Recommended: A/B or better in upper math courses.

ENGLISH

ENGLISH 9 (1001/2) - FULL YEAR - 1 CREDIT

(GRADE 9 - REQUIRED)

DESCRIPTION: The major focus is the use of oral and written communication. The written communication section of the class will focus on process writing skills to communicate effectively with a variety of audiences. The study of literature will focus on short stories, poetry, fiction, non-fiction, informational reading, and novels. The study of grammar will focus on grammar, usage, and mechanics.

ENGLISH 9 HONORS (1011/1012) - FULL YEAR - 1 CREDIT

(GRADE 9)

DESCRIPTION: This course will progress at an **accelerated rate** and require the student to think critically by analyzing and synthesizing information from language and literature. Students will demonstrate knowledge and application of writing skills in several expository and creative writing assignments. Standard usage, functional grammar, correct spelling and punctuation are emphasized in writing assignments. Oral communication skills will focus on intelligent and thoughtful responses to literature presented. In this course, students will explore the various forms of literature as well as informational texts and novels. The study of grammar will focus on grammar, usage, and mechanics.

A summer reading novel and assignment with a coordinating assignment will be required. A test on the novel will also be given.

PREREQUISITE: A B+ average in eighth grade Language Arts.

ENGLISH 10 (1021/2) – FULL YEAR - 1 CREDIT

(GRADE 10 - REQUIRED)

DESCRIPTION: This course continues the development of oral and written communication. The written communication section of the class will focus on process writing skills to communicate effectively with a variety of audiences. As part of the writing process students will use the library and other resources to develop a knowledge base for a research paper. Students will be taught how to use online databases. Standard usage, functional grammar, and correct spelling are emphasized. The study of literature will include fiction and informational reading. Process writing will continue in the literature portion of the course via literary analyses papers.

ENGLISH 10 - HONORS (1031/2) – FULL YEAR - 1 CREDIT

(GRADE 10)

DESCRIPTION: This course will progress at an **accelerated rate** and require the student to think critically by analyzing and synthesizing information from language and literature. Students will demonstrate knowledge and application of writing skills in several expository and creative writing assignments. Construction and completion of a formal MLA style research paper is required. Online databases of editorially controlled sites will be taught and applied in preparation of the research paper. Standard usage, functional grammar, correct spelling and punctuation are emphasized in all writing assignments. Oral communication skills will focus on intelligent, thoughtful responses to literature presented. In this course, students will explore genres of World literature as well as informational texts. A summer reading novel(s) and assignment will be required.

PREREQUISITE: A B- average in English 9 – Honors (through first 3 marking periods) OR a B+ average in English 9 (through first 3 marking periods).

ENGLISH 11 (1041/2) – FULL YEAR - 1 CREDIT**(GRADE 11 - REQUIRED)**

DESCRIPTION: This course focuses on the continued development of oral and written communication. Written communication section of the class will emphasize process writing to communicate effectively with a variety of audiences. Students will prepare for the State's standardized testing through various practices. Standard usage, functional grammar, and correct spelling are emphasized. Oral communication skills will focus on responses and presentations. The study of literature will include novels, short stories, poetry and drama as well as informational reading.

ENGLISH 11 – HONORS (1051/2) – FULL YEAR - 1 CREDIT**(GRADE 11)**

DESCRIPTION: This course will progress at an **accelerated rate** and require the student to think critically by analyzing and synthesizing information from language and literature. Students will demonstrate knowledge and application of writing skills in several expository and creative writing assignments. Standard usage, functional grammar, correct spelling and punctuation are emphasized in all writing assignments. Oral communication skills will focus on intelligent, thoughtful responses to literature presented. In this course, students will explore genres of American literature as well as informational texts. A summer reading novel(s) and assignment will be required.

PREREQUISITE: A B- average in English 10 - Honors (through first 3 marking periods) OR a B+ average in English 10 (through first 3 marking periods).

ENGLISH ELECTIVES

(Does not meet the English graduation requirements)

FORENSICS (1081/2) – FULL YEAR – 1 CREDIT**(GRADES 9- 11)**

DESCRIPTION: To introduce and/or further student competency in oral communication. The forensics student will work to prepare either literature, a speech, or information for presentation at competitive tournaments; introduction, practice, and refinements of skills will be incorporated. The speaking done will be both interpretive and public address in class. Students will then be able to select from among twelve different events in which to compete. For presentations, students will engage in:

1. Literature/topic evaluation/selection
2. Literary/topic analysis; research
3. Cutting/Drafting/Gathering the materials(s) to be presented
4. Regular rehearsing and coaching
5. Refining the interpretation/manner of presenting/organization
6. Traveling and school-based showcases
7. Competing at and attending at a pre-determined number of tournaments

PREREQUISITE: Passing ("C" or better) English scores; English/Drama/Communications teacher recommendation.

WORLD LANGUAGES

FRENCH

FRENCH I (1501/2) - FULL YEAR - 1 CREDIT

(GRADES 9-11)

DESCRIPTION: French I is designed to introduce the student to the French language and culture. The emphasis is placed on basic speaking, listening, reading, and writing skills. The differences, rather than the similarities, between the American and Francophonic cultures are stressed.

FRENCH II (1511/2) - FULL YEAR - 1 CREDIT

(GRADES 10-11)

DESCRIPTION: This course is a continuation of French I. The student learns the more technical aspects of French grammar and structure. The emphasis is placed on communication skills within cultural context.

PREREQUISITE: French I

FRENCH III (1521/2) - FULL YEAR - 1 CREDIT

(GRADE 11)

DESCRIPTION: This course is an introduction to French literature including short stories, plays, novels, poetry, and fine arts. The emphasis is placed on composition and on the perfection of the language skills learned in first and second level French.

PREREQUISITE: French II

FRENCH IV (1531/2) - FULL YEAR - 1 CREDIT

(GRADE 11)

DESCRIPTION: This course is a continuation of French III. Additional literature is studied as well as the finer aspects of composition and articulation.

PREREQUISITE: French III

SPANISH

SPANISH I (1541/2) - FULL YEAR - 1 CREDIT

(GRADES 9-11)

DESCRIPTION: Spanish I is a broad-based course designed to introduce the student to all aspects of foreign language study. Grammar, reading, writing, speaking and listening to Spanish are included. Cultural information is provided with movies, music, readings, and guest speakers.

SPANISH I – HONORS (1545/6) - FULL YEAR - 1 CREDIT

(GRADES 9-11)

DESCRIPTION: Spanish Honors I is the first course in the sequence in preparing students for the Advanced Placement test. Grammar, reading, writing, speaking and listening skills are covered at an **accelerated pace**. Students will do research and presentations on various cultural topics. Conversation, vocabulary, correct usage, and oral proficiency are goals. Cultural awareness will be accomplished through various reading and media sources. The literature of Spain, the Caribbean, and parts of South America will be introduced. This course is aligned in accordance with the standards from the college Advanced Placement program.

PREREQUISITE: A or B+ - average in English.

SPANISH II (1551/2) - FULL YEAR - 1 CREDIT**(GRADES 10-11)**

DESCRIPTION: Second year Spanish continues the study of all areas of foreign language skills, grammar, reading, writing, speaking and listening. Information on cultural areas is offered through readings and audio-visual presentations.

PREREQUISITE: Spanish I

SPANISH II – HONORS (1555/6) - FULL YEAR - 1 CREDIT**(GRADES 10-11)**

DESCRIPTION: Spanish Honors II is the second course in the sequence in preparing students for the Advanced Placement test. Grammar, reading, writing, speaking and listening skills are covered at an **accelerated pace**. Students will do research and presentations on various cultural topics. Conversation, vocabulary, correct usage, and oral proficiency are goals. Cultural awareness will be accomplished through various reading and media sources. The literature of Spain, the Caribbean, and parts of South America will be introduced. This course is aligned in accordance with the standards from the college Advanced Placement program.

PREREQUISITE: A or B – average in Spanish I – Honors (through first 3 marking periods) OR a B+ average in Spanish I (through the first 3 marking periods).

SPANISH III (1561/2) - FULL YEAR - 1 CREDIT**(GRADE 11)**

DESCRIPTION: Third level Spanish introduces the student to Spanish or Latin American literature after a review of grammar. Oral expression is encouraged through class discussion and written expression through papers covering the literature read in class.

PREREQUISITE: Spanish II

SPANISH III – HONORS (1565/6) - FULL YEAR - 1 CREDIT**(GRADE 11)**

DESCRIPTION: Spanish Honors III is the third course in the sequence in preparing students for the Advanced Placement test. Grammar, reading, writing, speaking and listening skills are covered at an **accelerated pace**. Students will do research and presentations on various cultural topics. Conversation, vocabulary, correct usage, and oral proficiency are goals. Cultural awareness will be accomplished through various reading and media sources. The literature of Spain, the Caribbean, and parts of South America will be introduced. This course is aligned in accordance with the standards from the college Advanced Placement program.

PREREQUISITE: A or B – average in Spanish II – Honors (through first 3 marking periods) OR a B+ average in Spanish II (through the first 3 marking periods).

GERMAN

GERMAN I (1651/2) - FULL YEAR - 1 CREDIT**(GRADES 9-11)**

DESCRIPTION: German I is designed to introduce students to the German language and culture. Emphasis is placed on basic speaking, listening, reading and writing skills. Students explore and learn the relationships between the American and Germanic cultures.

GERMAN II (1661/1662) - FULL YEAR - 1 CREDIT**(GRADES 10-11)**

DESCRIPTION: German II is a continuation of German I. The course is designed to further the four language skills: Listening, speaking, reading and writing. Students will use correct grammar in conversation and in writing. Participation in dialogues and group presentations is required.

PREREQUISITE: German I.

GENERAL COURSES

COMMUNITY SERVICE (8014) – 90 HOURS – 1/2 CREDIT

(GRADES 10-11)

DESCRIPTION: Community service is volunteer work for a non-profit organization. The student should not receive pay or any form of reimbursement for their hours. The service should be for the benefit of others. The student may complete hours at one or more organizations. Hours may accumulate over successive semesters starting with Grade 9. All hours must be completed by the second week in May of the senior year. A maximum of 1 credit can be completed. A tracking sheet of hours, evaluation of student by organization, student evaluation of volunteer work and an essay is required after 90 hours is completed. Appropriate credit will be granted after all paperwork is done.

PREREQUISITE: Requires appointment with Community Service Coordinator.

PEER-TUTORING (8051/2) - 1 SEMESTER 1/2 CREDIT

(GRADE 11)

DESCRIPTION: This class is a great prerequisite for students going into the education, human resources or health field. A peer-tutor will work with special needs students either one-on-one or small group. You will be required to help with the academics, behavior skills, life skills or social settings. Peer-tutors are expected to model appropriate behaviors, with attendance and promptness as a priority. You will be **required**, as part of your grade, to work with the students at after school activities at **least 1 time a month** and will need to be self-motivated in creating activities to incorporate these students in social activities outside of the school setting.

PREREQUISITE: **Special approval by teacher.** **NO** unexcused absences or tardies and less than 5 excused absences and excused tardies total for prior semester. **NO** discipline referrals from prior semester. Open to 11th and 12th grade only. For a 2nd or 3rd hour peer tutor, you must hold a valid driver's license, obtain a parking permit and drive to school in your own vehicle (you will be traveling). You will be asked to sign a contract, as well as your parents, and if you break the contract you will be removed from the class immediately.

PEER MEDIATION (8074) - 1 SEMESTER - 1/2 CREDIT

(GRADE 11)

DESCRIPTION: This elective class is designed for students who have been previously trained in peer mediation techniques or have been recommended by staff to the program. Students will resolve peer disputes that interfere with the education process. Students in conflict will have an opportunity to talk over their grievances in a neutral setting and work together to find their own solutions. A student mediation program sends an important message to students. Mediation allows students to attack the problem and not the person.

PREREQUISITE: Special approval by teacher; no unexcused absences or tardies and less than nine excused absences and excused tardies total for prior semester. No major discipline referrals. You must hold a valid driver's license, drive to school in your own vehicle and be eligible for a parking pass. You will be traveling to the Middle Schools for abstinence mentoring program.

HEALTH/PHYSICAL EDUCATION

HEALTH (8504) - 1 SEMESTER – 1/2 CREDIT

(GRADES 10-11)

DESCRIPTION: Health is a required class for graduation. It is designed to give a basic understanding of nutrition, eating disorders, body systems (including reproduction), mental health, personality, substance abuse, communicable disease prevention, sexually transmitted diseases and HIV/AIDS. It can be taken in any semester, but is recommended for the sophomore year.

INDIVIDUAL SPORTS (8574) - 1 SEMESTER – 1/2 CREDIT**(GRADES 10-11)**

DESCRIPTION: This elective class is designed to give the student a well-rounded program in individualized activities. Students will participate in life long activities such as; tennis, badminton, table tennis, floor tennis, golf, conditioning and archery. They will learn to understand the need of the contribution of these activities to their health and well being. Other activities, such as dance (for rhythmical and social purposes); running, jump ropes, obstacle course, aerobics (for cardiovascular training); and stretching and strengthening exercises (for flexibility and strength) will be done. Rules and strategies of each activity will be discussed and studied. Students will learn to appreciate physical activity and how it relates to good health habits. Students will be required to pass physical and written tests.

PHYSICAL EDUCATION (8564) - 1 SEMESTER – 1/2 CREDIT**(GRADE 9)**

DESCRIPTION: This class is designed to give the student a well-rounded program through many activities. Activities such as pass ball, indoor and outdoor soccer, softball, tennis, floor hockey, team hand ball, whiffle ball, volleyball, basketball, table tennis, badminton and floor tennis will be studied. They will learn to understand the need of the contribution of these activities to their health and well being. Other activities, such as dance (for rhythmical and social purposes); running, jump ropes, footwork drills, aerobics (for cardiovascular training); and stretching and strengthening exercises (for flexibility and strength) will be done. Rules, strategies, teamwork, and sportsmanship within each activity will be discussed and studied. Students will learn to appreciate physical activity and how it relates to good health habits. Students will be required to pass physical and written tests.

TEAM SPORTS (8584) - 1 SEMESTER – 1/2 CREDIT**(GRADES 10-11)**

DESCRIPTION: This elective class is designed to give the student a well-rounded program in team activities. Student will participate in team sports, (softball, football, soccer, volleyball, basketball, floor hockey and team handball). They will learn to understand the need of the contribution of these activities to their health and well being. Other activities, such as dance (for rhythmical and social purposes); running, jump rope, aerobics (for cardiovascular training); and stretching and strengthening exercise (for flexibility and strength) will be done. Rules, strategies, teamwork and sportsmanship within each activity will be discussed and studied. Students will learn to appreciate physical activity and how it relates to good health habits. Students will be required to pass physical and written tests.

WEIGHT LIFTING/SPORTS ACTIVITIES (8594) – 1 SEMESTER – 1/2 CREDIT (GRADES 9-11)

DESCRIPTION: Weight Lifting is designed to give you a basic understanding of and appreciation for strength training as well as for cardiovascular fitness. Throughout the course of the semester you will be exposed to many different training principles, benefits of strength training and current training issues. Some issues of importance include: basic muscle physiology (including bone, muscle, and connective tissue), proper warm-up (including flexibility and stability), training methods and modes (including safety issues and spotting), nutritional factors in performance and health, basic cardiovascular and respiratory anatomy and physiology, psychological benefits of exercise, as well as many more. In addition, time may be spent on individual techniques to benefit those students involved in specific individual and/or team sports.

OFFICIATING AND LEADERSHIP TRAINING(8694)-1 SEMESTER-1/2 CREDIT(GRADES 10-11)

DESCRIPTION: The student will study the mechanics of officiating different sports. They will have the experience of working in class with team and individual activities. The Michigan High School Athletic Association is in need of young officials and this class will prepare the student for part-time work, if they decide to make officiating a career. There are recreational events in the community that need officials that our students will be able to sign up for. The book, “The Art of Officiating Sports” and material from The State of Michigan will serve as references. Tests in each sport will be available from the State of Michigan Athletic Association. All officials are leaders on the field/floor. The leadership training part of this class will prepare students with knowledge of leadership techniques needed to cope with adverse (positive and negative) situations. The criteria and methods of leadership will be discussed and practiced.

PRE-REQUISITE: Completion of a P.E. course.

OFFERED AT THE AQUATIC CENTER.

MUST PROVIDE OWN TRANSPORTATION TO FIRST HOUR CLASS. SHUTTLE BUS WILL BRING STUDENTS BACK TO HIGH SCHOOL AFTER FIRST HOUR.

DESCRIPTION: This class is designed for those students who require instruction in the basic strokes of swimming and aquatic skills necessary to participate in and around water. The goal is to increase a student's ability to swim with confidence. Basic water safety and boating safety skills will be introduced. The students swimming ability as assessed at the beginning of the class will determine participation in this course as opposed to the other swimming classes.

DESCRIPTION: This yearlong course is designed to meet the needs of students who will benefit from an individualized physical education program.

PREREQUISITE: Instructor recommendation.

Note - The one semester physical education requirement for graduation can be met by taking marching band for three years.

MATHEMATICS

DESCRIPTION: The Freshman Math/Science Academy is intended for students who would be scheduled into the Pre-Algebra I A&B course and the Introduction to Biology and Introduction to Chemistry. Students in this program will learn the concepts taught in these two courses in an inter-disciplinary setting that will focus on study skills and reading comprehension in a two hour block that is team taught. This a first year algebra course designed for the student who has struggled in mathematics. The course focuses on acquiring success in the study of algebraic skills and concepts. The goal is to have students develop sufficient computational, procedural, and problem solving skills to provide a solid foundation for further study in mathematics. This course is the first in a series of three courses that introduces and prepares students for establishing age appropriate proficiency in algebra, geometry, and advanced mathematics topics. Students in this course develop organization and study skills as they progress through the content of a skill driven algebra course. The emphasis is on acquiring the fundamental skills of solving for "x", solving and graphing linear equations, and applications of systems of linear equations.

PREREQUISITE: Must also request Science Academy - Courses 3005/6.

DESCRIPTION: This is a first year algebra course designed for the student who has struggled in mathematics or lacks strong study or organizational skills. The course focuses on acquiring success in the study of algebraic skills and concepts. The goal is to have students develop sufficient computational, procedural, and problem solving skills to provide a solid foundation for further study in mathematics. This course is the first in a series of three courses that introduces and prepares students for establishing age appropriate proficiency in algebra, geometry, and advanced mathematics topics. Students in this course develop organization and study skills as they progress through the content of a skill driven algebra course. The emphasis is on acquiring the fundamental skills of solving for "x", solving and graphing linear equations, and applications of systems of linear equations, introduction to quadratic and exponential functions. Additionally, certain geometry connections such as the formulas related to distance, midpoint, and the Pythagorean Theorem may be introduced.

ALGEBRA - A/B - (2009/10) - FULL YEAR – 1 CREDIT**(GRADE 10)**

DESCRIPTION: This is a traditional entry level algebra course that emphasizes skills, concepts and application. The pace of this course is standard, requiring regular homework assignments and assumed study skills. The content of the course begins with the review of algebraic properties, expressions and solving for “x” with equations. The emphasis of the course is in the mastery of Quadratic Functions. Exponents, Polynomials, Radicals and Factoring. Graphing Calculators are provided for in-class use.

PREREQUISITE: At least a “C-“ in Course 3 8th Grade.

RECOMMENDED: Calculator TI-83 Plus or TI-83 Plus Silver.

ALGEBRA I - (2035/6) - FULL YEAR – 1 CREDIT**(GRADE 9)**

DESCRIPTION: This is a traditional entry level algebra course that emphasizes skills, concepts and application. The pace of this course is standard, requiring regular homework assignments and assumed study skills. The content of the course begins with the review of algebraic properties, expressions and solving for “x” with equations. The emphasis of the course is in the mastery of Linear Functions, Systems of Linear Functions, and Quadratic Functions. The course also provides for the introduction to Exponents, Polynomials, Radicals and Factoring. Graphing Calculators are provided for in-class use.

PREREQUISITE: At least a “C-“ in Course 3 8th Grade.

RECOMMENDED: Calculator TI-83/84 Plus or TI-83 Plus Silver.

GEOMETRY (2045/6) - FULL YEAR - 1 CREDIT**(GRADES 10)**

DESCRIPTION: This course is recommended after successful completion of Algebra I. This course assumes the student has demonstrated good homework habits and appropriate study skills as a prerequisite for continued success in this course. Exploration of Geometry topics such as Reasoning and Proof, Parallel and Perpendicular Lines, Congruent Triangles, Relationships within Triangles, Quadrilaterals, Area, Similarity, Right Triangle Trigonometry, Surface Area and Volume, Circles, and Transformations.

RECOMMENDED: Calculator TI-83 Plus or TI-83 Silver.

GEOMETRY A/B (2049/50) - FULL YEAR - 1 CREDIT**(GRADES 10-11)**

DESCRIPTION: This course is recommended after successful completion of Algebra A/B. This course assumes the student has demonstrated good homework habits and appropriate study skills as a prerequisite for continued success in this course. Exploration of Geometry topics such as Reasoning and Proof, Parallel and Perpendicular Lines, Congruent Triangles, Relationships within Triangles, Quadrilaterals, Area, Similarity, Right Triangle Trigonometry, Surface Area and Volume, Circles, and Transformations.

RECOMMENDED: Calculator TI-83 Plus or TI-83 Silver

ALGEBRA II (2051/2) FULL YEAR - 1 CREDIT**(GRADE 11)**

DESCRIPTION: The main study of this course is in "families of functions". Students revisit quadratic equations and move quickly to the study of polynomial, exponential, logarithmic functions. Students study these functions through graphical, numerical, and application problems. Sequences and series are studied whereby students apply their knowledge of functions to reveal patterns, recursion, and limits. The study of triangles and circles is continued from Geometry and the student will be introduced to conic sections. Students continue to create simulations, collect data, and generate mathematical models. To further their learning here, students will be introduced to methods of testing their models for accuracy and confidence. Students in this course should have a sound foundation in Algebra I and Geometry.

PREREQUISITE: At least a C- in Geometry or B in Geometry Concepts.

RECOMMENDED: Calculator TI-83 Plus or TI-83 Plus Silver.

PRE-CALCULUS – (2065/6) – FULL YEAR - 1 CREDIT**(GRADE 11)**

DESCRIPTION: This course is designed for the junior or senior student who would like to continue taking mathematics, has been successful especially in Algebra I, II and Geometry, has concerns for keeping up with the rigor of an honors course, and wants to leave their options open for calculus in the following year. This course provides the prerequisite for taking calculus. The course of study continues with functions and their graphs. The first half of the course places emphasis on polynomial, rational, exponential, logistic and logarithmic functions. The second half of the course investigates and studies trigonometry and polar equations, matrices, discrete mathematics, and an introduction to limits as preparation for calculus.

PREREQUISITE: At least a C- in Algebra II.

RECOMMENDED: A graphing calculator TI-83 Silver or TI-84.

HONORS MATH PROGRAM

HONORS GEOMETRY (2071/2) - FULL YEAR – 1 CREDIT**(GRADES 9-10)**

DESCRIPTION: This class is intended for the college bound student interested in developing an intensive mathematics background. This course parallels the Geometry description. Students are expected to have access to a graphing calculator (Example: TI-82, TI-83, TI-86 or equivalent). Honors students will maintain a regular journal, homework assignment notebook, group projects, and individual explorations activities are interwoven throughout the year. The honor student pacing will follow the extended course guidelines intended for students with strong mathematical and problem solving skills and who are able to understand new concepts quickly. Summer work may be given.

PREREQUISITE: At least a B+ in Algebra I and Teacher recommendation.

RECOMMENDED: Graphing Calculator such as a TI-83 Plus or equivalent.

HONORS ALGEBRA II (2081/2) - FULL YEAR – 1 CREDIT**(GRADES 10-11)**

DESCRIPTION: This class is intended for the college bound student interested in developing an intensive mathematics background. The honor student pacing will follow the guidelines intended for the student with strong mathematical problem solving skills and the ability to understand new concepts quickly. Exploration of Algebra II topics will parallel the standard Algebra II course, in addition projects and individual exploration activities will be included throughout the year. Summer homework may be given.

PREREQUISITE: At least a B- in Honors Geometry or at least an A- in Geometry.

RECOMMENDED: Graphing calculator such as TI-83 Plus or equivalent.

HONORS PRE-CALCULUS (2091/2) – FULL YEAR – 1 CREDIT**(GRADE 11)**

DESCRIPTION: This course is designed for the college bound student who will need Calculus. Juniors enrolling in this course are expected to take AP Calculus during their senior year. In this course, students study and extend their working knowledge of functions, analytical geometry, polar coordinates, vectors, complex numbers, sequences and series, integration, and mathematical modeling. In the final marking period, students will begin to take on material covered in their first semester of Calculus. It is recommended that students have a strong background in linear, quadratic, exponential, and trigonometric functions for a successful transition into this course. The honor student pacing will follow the extended course guidelines intended for students with strong mathematical and problem solving skills and who are able to understand new concepts quickly and make connections. Summer homework may be given.

PREREQUISITE: Completion of Honors Algebra II with at least a B- or completion of Algebra II with an A-

RECOMMENDED: Graphing calculator such as TI-83 Plus or equivalent.

SCIENCE**MATH AND SCIENCE ACADEMY – (3005/6) – FULL YEAR – 1 CREDIT****(GRADE 9)**

DESCRIPTION: The Freshman Math/Science Academy is intended for students who would be scheduled into the Pre-Algebra A&B course and the Introduction to Biology (Biology A)/Introduction to Chemistry (Chemistry A) course. Students in this program will learn the concepts taught in these two courses in an inter-disciplinary setting that will focus on study skills and reading comprehension in a two hour block that is team taught. During the biology semester students will learn about the biosphere at the macroscopic level which includes: levels of organization, taxonomy, how organisms interact with each other, and ecological concepts such as cycles of matter, succession, food webs, natural selection, and evolution. During the chemistry semester students will study the states of matter, substances, parts of the atom, periodic table, and naming/writing formulas for ionic and molecular compounds.

PREREQUISITE: Must also request Math Academy - Courses 2005/6.

BIOLOGY B/C– (3015/6) – FULL YEAR – 1 CREDIT**(GRADE 10)**

DESCRIPTION: A one-year course in which the following core curriculum topics are addressed: Cells, Organization of Living Things, Heredity, Evolution and Ecosystems. Laboratory activities related to each of the above topics of study are included.

INTRO TO BIOLOGY (3124) 1 SEMESTER – 1/2 CREDIT**INTRO TO CHEMISTRY (3034) 1 SEMESTER – 1/2 CREDIT****(GRADE 9)**

DESCRIPTION: This is an introductory science course for ninth grade students who plan to take Biology (B/C) in 10th grade and Chemistry (B/C) in 11th grade. During the biology semester students will learn about the biosphere at the macroscopic level which includes: levels of organization, taxonomy, how organisms interact with each other, and ecological concepts such as cycles of matter, succession, food webs, natural selection, and evolution. During the chemistry semester students will study the states of matter, substances, parts of the atom, periodic table, and naming/writing formulas for ionic and molecular compounds.

BIOLOGY (3021/2) - FULL YEAR - 1 CREDIT**(GRADE 9)**

DESCRIPTION: A one-year course in which the following core curriculum topics are addressed: Cells, Organization of Living Things, Heredity, Evolution and Ecosystems. Laboratory activities related to each of the above topics of study are included.

CHEMISTRY I (3061/2) - FULL YEAR - 1 CREDIT**(GRADES 10-11)**

DESCRIPTION: Chemistry is the study of matter, and in this course, students will be introduced to the structure, properties, and composition of matter and the changes that matter undergoes. In doing so, students will study the phases of matter, chemical formulas, learn how to write and balance chemical formulas and equations, become familiar with the periodic table, study atomic structure, chemical bonding, acids and bases, and learn some of the properties of solutions.

Students must be mature enough to handle potentially dangerous materials in lab situations and proficient at taking notes. Written lab reports are required for each lab. A good deal of story-type problem solving is involved in many of the chapters, requiring a strong background in Algebra.

RECOMMENDED: Calculator (Scientific or Graphing)

ADVANCED PLACEMENT CHEMISTRY (3071/2) - FULL YEAR - 1 CREDIT**(GRADE 11)**

DESCRIPTION: This course is designed for the science major and is a sequel to first year chemistry. The topics covered will be kinetics and equilibrium, acid-base titration, oxidation-reduction reactions, thermochemistry, and hybridization of orbitals. AP Chemistry is lecture intensive and student participation is a necessity. Students will perform 16-20 lab experiments and expected to keep a professional-style lab notebook. Students are able to earn college credit by passing AP Chemistry test. Some colleges also require proof of lab experience to receive lab credit. The lab notebook will be sufficient proof.

PREREQUISITE: At least a B+ in Chemistry I and Algebra. Recommendation of the Chemistry teacher.

ENVIRONMENTAL SCIENCE (3081/2) - FULL YEAR - 1 - CREDIT**(GRADE 11)**

DESCRIPTION: Environmental Science is a multi-disciplinary field that draws from all the sciences. Ecology, biology, chemistry, geology, geography, as well as other fields help us to better understand the relationship between humans and the world in which we live. An emphasis will be placed on ecosystems, one's affect on land, air, water, and one's use of energy and resources. In accordance with the High School Content Expectations, the core and essential standards of Earth Science and Biology are stressed in Environmental Science. Student tasks will include lab activities and projects related to their understanding of the environment. Students are expected to participate in outdoor lab activities.

PREREQUISITE: Successful completion of Biology.

HUMAN PHYSIOLOGY (3091/2) - FULL YEAR - 1 CREDIT**(GRADE 11)**

DESCRIPTION: Human Physiology is a full year course in which there is extensive examination of the structure and function of all ten human body systems. Two important themes are stressed: Structure determines what function can happen; and every human body system contributes toward maintenance of the homeostatic condition. The class is a combination of lecture and laboratory work. Labs include microscope studies, major organ dissections and various physiological experiments.

PREREQUISITE: A or B Grade in Biology.

CHEMISTRY B/C (3035/6) - FULL YEAR - 1 CREDIT**(GRADE 11)**

Chemistry is the study of matter, and in this course, students will be introduced to the structure, properties, and composition of matter and the changes that matter undergoes. In doing so, students will study the phases of matter, chemical formulas, learn how to write and balance chemical formulas and equations, become familiar with the periodic table, study atomic structure, chemical bonding, acids and bases, and learn some of the properties of solutions.

Students must be mature enough to handle potentially dangerous materials in lab situations and proficient at taking notes. Written lab reports are required for each lab. A good deal of story-type problem solving is involved in many of the chapters, requiring a strong background in Algebra.

RECOMMENDED: Calculator (Scientific or Graphing)

PHYSICS (3101/2) - FULL YEAR - 1 CREDIT**(GRADE 11)**

DESCRIPTION: Physics is designed for the serious science major and is intended to prepare the college bound student. It is recommended for all students who intend to study science, medicine, mathematics, or engineering in college. Physics is the science which mathematically investigates, describes, and explains the concepts of matter and energy. In this course students will study forces and vectors, Newton's laws of motion, gravitation and momentum, the concepts of work, energy, and simple machines, electricity and electric fields and circuits. As time permits, the nature of magnetism and magnetic fields, electromagnetic wave theory, and the nature of light will be studied. Students will examine the concepts listed above through lectures, discussions, group and individual problem-solving sessions, and experimental investigation. A strong background in Algebra and a working knowledge of trigonometry are essential. Several projects are required during the year. Students must have their own scientific or graphing calculator.

PREREQUISITES: B average in science and math courses (Algebra II) are recommended.

SOCIAL STUDIES

Required Courses

U.S. HISTORY I: 1900-1945 (4001) 1 SEMESTER – 1/2 CREDIT**(GRADE 9 REQUIRED)**

DESCRIPTION: The purpose of the ninth grade social studies curriculum is to increase students' knowledge of the development of the United States as a democratic nation. The course is organized as a chronological survey of the American past from 1900 to the attack of Pearl Harbor. Emphasis will be placed on major events, individuals and ideas comprising our American heritage. Students will increase their knowledge of historical insights and the development of democratic values. They will enhance their skills in processing and evaluating information. Knowledge of our past will help the students understand our present and encourage citizen involvement to make changes for a better future.

U. S. HISTORY II: 1946-PRESENT (4002) 1 SEMESTER 1/2 CREDIT**(GRADE 9 REQUIRED)**

DESCRIPTION: The purpose of the ninth grade social studies curriculum is to increase students' knowledge of the development of the United States as a democratic nation. The course is organized as a chronological survey of the American past from Pearl Harbor to the present. Emphasis will be placed on major events, individuals and ideas comprising our American heritage. Students will increase their knowledge of historical insights and the development of democratic values. They will enhance their skills in processing and evaluating information. Knowledge of our past will help the students understand our present and encourage citizen involvement to make changes for a better future.

WORLD HISTORY I (4141) – 1 SEMESTER/FALL – 1/2 CREDIT**(GRADE 11)**

DESCRIPTION: The purpose of the World History class is to provide knowledge and understanding of the eastern and western worlds through a chronological format. This study allows for a connectedness between cause and effect and the rise and fall of history's great empires. World History I begins with pre-history and carries through the establishment of the empires of Africa (ca. 1500). A central theme of the course is development of a rich, global perspective in which students acquire an appreciation of the world and its many peoples and cultures whose traditions, beliefs, and values are similar to, or perhaps different from our own.

WORLD HISTORY II (4142) – 1 SEMESTER/SPRING – 1/2 CREDIT**(GRADE 11)**

DESCRIPTION: The purpose of the World History class is to provide knowledge and understanding of the eastern and western worlds through a chronological format. This study allows for a connectedness between cause and effect and the rise and fall of history's great empires. World History II begins where World History I ended, at the formation of Western Europe (ca. 1500) and continues to be present. A central theme of the course is development of a rich, global perspective in which students acquire an appreciation of the world and its many peoples and cultures whose traditions, beliefs, and values are similar to, or perhaps different from our own.

ADVANCED PLACEMENT U.S. HISTORY (4091/2) FULL YEAR - 1 CREDIT**(GRADE 11)**

DESCRIPTION: This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. It is a survey course, with extensive chronological coverage and readings on a broad variety of topics in such fields as economic history, cultural and intellectual history, and social history, in addition to political-constitutional and diplomatic history.

PREREQUISITE: B or better in all Social Studies classes and approval of a social studies instructor.

FOR FURTHER INFORMATION VISIT APCentral.CollegeBoard.com

ECONOMICS (4104) - 1 SEMESTER – 1/2 CREDIT**(GRADE 11)**

DESCRIPTION: Economics is a problem-based learning course that investigates how the economic laws of scarcity, opportunity cost, supply and demand and diminishing returns influence how human societies produce, distribute and consume goods and services. Students will interpret economic indicators presented in graphs, charts and tables and use a variety of application software to analyze, interpret and present information. Students will also develop a personal savings and investment plan as a course requirement.

PSYCHOLOGY (4114) - 1 SEMESTER – 1/2 CREDIT**(GRADE 11)**

DESCRIPTION: The purpose of this course is to acquaint students with the study of the human mind and behavior. Students will become familiar with the competing theories explaining why people behave as they do. Other topics include sleep research, sensation and perception and personality. The course is especially valuable to students interested in careers involving interaction with other people, such as education, law enforcement, management, and the medical professions. The course material is also valuable for personal improvement and for future responsibilities such as parenting. The course is oriented toward the college-bound student, yet has application to every person's daily life.

SOCIOLOGY (4124) - 1 SEMESTER – 1/2 CREDIT**(GRADE 11)**

DESCRIPTION: The purpose of this course is to acquaint students with the study of people in groups, and to relate this knowledge to problems of contemporary society. Topics include culture, collective behavior (fashion, fads, riots, etc.), status and roles, population studies, and the impact man has on his environment. The course is valuable for students interested in professions such as law enforcement, psychology, social work, management, education and politics. The class is oriented toward the college-bound student, yet has application to every person's daily life.

ADVANCED PLACEMENT U.S. GOVERNMENT & POLITICS 4131/2) -FULL YEAR - 1 CREDIT
(GRADE 11)

DESCRIPTION: This course is an analytical perspective on government and politics in the United States. It includes both the studies of general concepts used to interpret U.S. politics and the analysis of specific examples. The course includes the following topics: Constitutional underpinnings of U.S. government, political beliefs and behaviors, political parties, interest groups, and mass media, institutions of national government, public policy, civil rights and civil liberties. The student must complete the full year to satisfy the government requirement for graduation.

PREREQUISITE: "B" or better in all Social Studies classes and signature of a social studies teacher.

Note: This course meets the Government requirement.

FOR FURTHER INFORMATION VISIT APCentral.CollegeBoard.com

WORLD HISTORY I (4145) - 1 SEMESTER/FALL – 1/2 CREDIT **(GRADE 10 REQUIRED)**

DESCRIPTION: The purpose of the World History class is to provide knowledge and understanding of the eastern and western worlds through a chronological format. This study allows for a connectedness between cause and effect and the rise and fall of history's great empires. World History I covers from 300 CE/AD through the industrialization of society in the late 1800's. A central theme of the course is development of a rich, global perspective in which students acquire an appreciation of the world and its many peoples and cultures whose traditions, beliefs, and values are similar to, or perhaps different from our own.

WORLD HISTORY II (4146) - 1 SEMESTER/SPRING – 1/2 CREDIT **(GRADE 10 REQUIRED)**

DESCRIPTION: The purpose of the World History class is to provide knowledge and understanding of the eastern and western worlds through a chronological format. This study allows for a connectedness between cause and effect and the rise and fall of history's great empires. World History II begins where World History I ended with the rise of the 20th Century powers and concludes with the study of current global changes. A central theme of the course is development of a rich, global perspective in which students acquire an appreciation of the world and its many peoples and cultures whose traditions, beliefs, and values are similar to, or perhaps different from our own.

GLOBAL ISSUES (4164) – 1 SEMESTER – 1/2 CREDIT **(GRADE 11)**

DESCRIPTION: Global Issues is a problem-based learning social studies course in which students locate, organize and interpret information relating to issues of global concern including population growth, economic development, environmental pollution, human rights and terrorism. Students will use an interactive activity-based course text as well as a variety of conventional and electronic materials to identify and investigate global issues prompted by focus questions drawn from current events. All geographic regions of the world will be covered at least once during the semester. The course is also structured to accommodate students of different learning styles and abilities.

GOVERNMENT (4034) - 1 SEMESTER – 1/2 CREDIT **(GRADE 11 REQUIRED)**

DESCRIPTION: The purpose of 11th grade social studies is the study of American Government and its relationship with global issues. The student will gain an understanding of our democratic system as it relates to the core democratic values.

Rational: There is very little, if any, economics taught in the class. The emphasis is on relating government curriculum to the core democratic values as specified by the benchmarks and the MEAP expectations.

SPECIAL EDUCATION

U. S. HISTORY I: (9011) 1 SEMESTER 1/2 CREDIT

(GRADE 9)

DESCRIPTION: The purpose of this semester class is to increase students' knowledge and understanding of events in and affecting the United States from 1860 to 1900. This class is designed to meet the needs of those students that can benefit from an individual learning environment.

U. S. HISTORY II: (9012) 1 SEMESTER 1/2 CREDIT

(GRADE 9)

DESCRIPTION: The purpose of this semester class is to increase students' knowledge and understanding of events in and affecting the United States from 1900 to 1945. This class is designed to meet the needs of those students that can benefit from an individual learning environment.

GOVERNMENT (9024) - 1 SEMESTER – 1/2 CREDIT

(GRADE 11)

DESCRIPTION: The purpose of this semester class is to increase students' knowledge and understanding of American Government. The formation and basic principles of our government will be studied along with the U.S. Constitution and the rights and responsibilities of citizenship in the United States. This class is designed to meet the needs of those students that can benefit from an individualized learning environment.

ECONOMICS (????) - 1 SEMESTER –1/2 CREDIT

(GRADE 11)

DESCRIPTION: Economics is a problem-based learning course that investigates how the economic laws of scarcity, opportunity cost, supply and demand and diminishing returns influence how human societies produce, distribute and consume goods and services. Students will interpret economic indicators presented in graphs, charts and tables and use a variety of application software to analyze, interpret and present information. Students will also develop a personal savings and investment plan as a course requirement.

CHEMISTRY B/C (????) - FULL YEAR - 1 CREDIT

(GRADE 11)

Chemistry is the study of matter, and in this course, students will be introduced to the structure, properties, and composition of matter and the changes that matter undergoes. In doing so, students will study the phases of matter, chemical formulas, learn how to write and balance chemical formulas and equations, become familiar with the periodic table, study atomic structure, chemical bonding, acids and bases, and learn some of the properties of solutions.

Students must be mature enough to handle potentially dangerous materials in lab situations and proficient at taking notes. Written lab reports are required for each lab. A good deal of story-type problem solving is involved in many of the chapters, requiring a strong background in Algebra.

RECOMMENDED: Calculator (Scientific or Graphing)

WORLD HISTORY I: (9015) – ONE SEMESTE/FALL – 1/2 CREDIT

(GRADE 10)

DESCRIPTION: The purpose of the World History class is to provide knowledge and understanding of the eastern and western worlds through a chronological format. This study allows for a connectedness between cause and effect and the rise and fall of history's great empires. World History I begins with pre-history and carries through the establishment of the empires of Africa (ca. 1500). A central theme of the course is development of a rich, global perspective in which students acquire an appreciation of the world and its many peoples and cultures whose traditions, beliefs, and values are similar to, or perhaps different from our own. This class is designed to meet the needs of those students that can benefit from a smaller class setting and more individualized learning environment.

WORLD HISTORY II (9016) – 1 SEMESTER/SPRING – 1/2 CREDIT**(GRADE 10)**

DESCRIPTION: The purpose of the World History class is to provide knowledge and understanding of the eastern and western worlds through a chronological format. This study allows for a connectedness between cause and effect and the rise and fall of history's great empires. World History II begins where World History I ended, at the formation of Western Europe (ca. 1500) and continues to be present. A central theme of the course is development of a rich, global perspective in which students acquire an appreciation of the world and its many peoples and cultures whose traditions, beliefs, and values are similar to, or perhaps different from our own. This class is designed to meet the needs of those students that can benefit from a smaller class setting and more individualized learning environment.

ENGLISH 9 (9201/2) - FULL YEAR - 1 CREDIT**(GRADE 9)**

DESCRIPTION: The major focus is the use of oral and written communication. The written communication section of the class will focus on process writing skills to communicate effectively with a variety of audiences. The study of literature will focus on short stories, poetry, fiction, non-fiction, informational reading and novels. The study of grammar will focus on grammar, usage and mechanics. This class is designed to meet the needs of those students that can benefit from a smaller class setting and more individualized learning environment.

ENGLISH 9A & B (9205/6) - FULL YEAR - 1 CREDIT**(GRADE 9)**

DESCRIPTION: The purpose of this class is to increase students' knowledge of the structure and function of the English Language. The course will move from sound to text, focusing on phonemic awareness and phonics, word recognition and spelling, vocabulary and morphology, grammar and usage, listening and reading comprehension, and speaking and writing.

ENGLISH 10 (9211/2) - FULL YEAR - 1 CREDIT**(GRADE 10)**

DESCRIPTION: This course continues the development of oral and written communication. The written communication section of the class will focus on process writing skills to communicate effectively with a variety of audiences. As part of the writing process students will use the library and other resources to develop a knowledge base for a research paper. Students will be taught how to use online databases. Standard usage, functional grammar, and correct spelling are emphasized. The study of literature will include fiction and informational reading. Process writing will continue in the literature portion of the course via literacy analysis papers. This class is designed to meet the needs of those students that can benefit from a smaller class setting and more individualized learning environment.

ENGLISH 10A & B (9215/6) - FULL YEAR - 1 CREDIT**(GRADE 10)**

DESCRIPTION: The purpose of this class is to increase students' knowledge of the structure and function of the English Language. The course will move from sound to text, focusing on phonemic awareness and phonics, word recognition and spelling, vocabulary and morphology, grammar and usage, listening and reading comprehension, and speaking and writing.

ENGLISH 11 (9221/2) - FULL YEAR - 1 CREDIT**(GRADE 11)**

DESCRIPTION: This course focuses on the continued development of oral, written communication, and grammar. The writing process will emphasize how to communicate with a variety of audiences. Students will use the library and other resources to develop a knowledge base for informal writing. The study of literature will include novels, short stories, poetry and drama as well as informational reading. Literature will focus upon American authors in a variety of genre.

ENGLISH 11 A/B (????) - FULL YEAR - 1 CREDIT**(GRADE 11)**

DESCRIPTION: The purpose of this class is to increase students' knowledge of the structure and function of the English Language. The course will move from sound to text, focusing on phonemic awareness and phonics, word recognition and spelling, vocabulary and morphology, grammar and usage, listening and reading comprehension, and speaking and writing.

PRE-ALGEBRA (9141/2) - FULL YEAR - 1 CREDIT**(GRADE 9)**

DESCRIPTION: This is a first year algebra course designed for the student that has struggled in mathematics or lacks strong study or organizational skills. The course focuses on acquiring success in the study of algebraic skills and concepts. The goal is to have students develop sufficient computational, procedural, and problem solving skills to provide a solid foundation for further study in mathematics. This course is the first in a series of three courses that develop organization and study skills as they progress through the content of a skill driven algebra course. Students will work in an individualized program which may include solving for "x", reading graphs, estimation, and measures of central tendency, etc. Additionally, certain geometry connections such as the formulas related to distance, midpoint, and the Pythagorean Theorem are introduced to prepare students for 10th grade geometry A/B. Accommodations will be made to meet each student's needs.

PRE-ALGEBRA (A&B) (9145/6) - FULL YEAR - 1 CREDIT**(GRADE 9)**

DESCRIPTION: This is a first year algebra course designed for the student that has struggled in mathematics or lacks strong study or organizational skills. The course focuses on acquiring success in the study of algebraic skills and concepts. The goal is to have students develop sufficient computational, procedural, and problem solving skills to provide a solid foundation for further study in mathematics. This course is the first in a series of three courses that develop organization and study skills as they progress through the content of a skill driven algebra course. Students will work in an individualized program which may include solving for "x", reading graphs, estimation, and measures of central tendency, etc. Additionally, certain geometry connections such as the formulas related to distance, midpoint, and the Pythagorean Theorem are introduced to prepare students for 10th grade geometry A/B. Accommodations will be made to meet each student's needs.

ALGEBRA I (9131/2) - FULL YEAR - 1 CREDIT**(GRADE 10)**

DESCRIPTION: This is a first year algebra course designed for the student that has struggled in mathematics or lacks strong study or organizational skills. The course focuses on acquiring success in the study of algebraic skills and concepts. The goal is to have students develop sufficient computational, procedural, and problem solving skills to provide a solid foundation for further study in mathematics. This course is the first in a series of three courses that develop organization and study skills as they progress through the content of a skill driven algebra course. Students will work in an individualized program which may include solving for "x", reading graphs, estimation, and measures of central tendency, etc. Additionally, certain geometry connections such as the formulas related to distance, midpoint, and the Pythagorean Theorem are introduced to prepare students for 10th grade geometry. Accommodations will be made to meet each student's needs.

ALGEBRA I (A&B) (9135/6) – FULL YEAR - 1 CREDIT**(GRADE 10)**

DESCRIPTION: This is a first year algebra course designed for the student that has struggled in mathematics or lacks strong study or organizational skills. The course focuses on acquiring success in the study of algebraic skills and concepts. The goal is to have students develop sufficient computational, procedural, and problem solving skills to provide a solid foundation for further study in mathematics. This course is the first in a series of three courses that develop organization and study skills as they progress through the content of a skill driven algebra course. Students will work in an individualized program which may include solving for “x”, reading graphs, estimation, and measures of central tendency, etc. Additionally, certain geometry connections such as the formulas related to distance, midpoint, and the Pythagorean Theorem are introduced to prepare students for 10th grade geometry A/B. Accommodations will be made to meet each student’s needs.

GEOMETRY (9151/2) – FULL YEAR – 1 CREDIT**(GRADE 11)**

DESCRIPTION: This is the second of a three-course sequence which continues working with students to obtain success in mathematics and strengthen their study skills. This course provides introduction and focus on geometric skills and concepts. Emphasis is on the fundamental concepts of geometry such as parallel and perpendicular lines, congruent triangles and similarities, relationships within triangles, area, similarity, ratios, proportionalities, surface area, volume, circles. Students will work together as a class and accommodations for each student will take place as needed.

PREREQUISITE: Passing Grade in Algebra A & B.

INTRO. TO BIOLOGY (9094) – SEMESTER – 1/2 CREDIT**(GRADE 9 REQUIRED)****INTRO. TO CHEMISTRY (9084) – SEMESTER - 1/2 CREDIT**

DESCRIPTION: Intro to Science are classes that covers the basics of Biology and Chemistry over two semesters. For Chemistry, the class covers Properties of Matter; Atoms, Elements, Compounds, and Mixtures; The Periodic Table; and Chemical Bonding and Reactions.

BIOLOGY (9091/2) – FULL YEAR – 1 CREDIT**(GRADE 10 REQUIRED)**

DESCRIPTION: A one-year course in which the following core curriculum topics are addressed: inquiry, reflection and social implications; organization and development of living system; inter-dependence of living systems and the environment; genetics and; evolution and biodiversity. Laboratory activities related to each of the above topics of study are included.

STUDY SKILLS (9161/2) – FULL YEAR – 1 CREDIT**(GRADE 9)**

DESCRIPTION: The purpose of this class is to develop better study skills for each individual student’s needs. We take a look at time management, learning styles, setting goals, note taking, skimming, scanning, and test taking strategies. We also focus on the beginning stages of investigating careers.