

HANOVER-HORTON HIGH SCHOOL

2018-2019 Curriculum Guide



The purpose of this curriculum guide is to inform both student and parent of the programs of study available at Hanover-Horton High School. It also contains information concerning:

- Graduation requirements
- Standardized testing schedules
- Academic preparation for potential college athletic eligibility
- Course descriptions
- The Educational Development Plan (EDP) process
- Career exploration opportunities
- Jackson Area Career Center

As we begin our new semester schedule, we hope to continue offering our students the best educational opportunity in Jackson County. Students of Hanover-Horton High School are able to take a wide variety of courses from all areas of academic study. Our course offerings will continue to change as new curriculum is developed based on student interest and student need. Please review this guide and use it to assist in your planning. As you plan for your future coursework, make sure to keep in mind your long-term ambitions and goals.

If you have any questions about any of the information within this handbook, please feel free to contact the school. We will be happy to assist you.

VISION & MISSION OF THE SCHOOL

It is the vision of the Hanover-Horton Schools to maintain an exemplary learning environment, empowering our students to be successful in a global society. Moral character and academic achievement will be attained through strong leadership and quality instruction, enabling all students to reach their maximum potential in our safe and caring schools.

It is the mission of the Hanover-Horton Schools educational community to educate and instill in our students knowledge, self-worth, respect, responsibility and the desire to succeed throughout their lives so that we create a better world one student at a time. Through our combined efforts, we expect students to demonstrate the following adult roles upon graduation:

- To be an effective communicator
- To be a problem solver
- To be an educationally and technologically literate person
- To be a responsible citizen
- To be a healthy and fit person

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Graduation Requirements

Requirements for a high school diploma are established by the Michigan Merit Curriculum and the Hanover-Horton Board of Education. Students in the Class of 2019 will need to earn 26 credits.

Class of 2019 = 26
 Class of 2020 = 26
 Class of 2021 = 26
 Class of 2022 = 26

These requirements are based on a student earning ½ credit per course per semester. Transfer students have individualized graduation credit requirements based on the credits available to them over the course of their four years in high school.

Required classes for a diploma for all grade levels include the following.

Department/Class	Required Credits	Required Classes
English	4	English 1, English 2, English 3, 4 th English credit
Math	4	Algebra/Algebra C&S, Geometry, Algebra 2, senior year Math
Science	3	Physical Science, Biology, Chemistry or Physics
Social Studies	3	Later American Studies, World Studies, Government, Economics
Health	.5	Health
Physical Education	.5	Personal Fitness or Weight Training
Visual, Performing or Applied Arts	1	Band, Jazz Band, Theatre, Choir, Art, Career Center Embedded
<i>World Language</i>	2	<i>Spanish I & II</i>
20 hour on-line learning experience		Can occur in various classes
Senior Transitions (portfolio and exit interview)		Completion of the portfolio and exit interview are required
Total Credits	26	Class of 2019

Students may earn credit through approved coursework in our regular programs, summer school classes, on-line classes, dual enrollment, and/or the Jackson Area Career Center. During the senior year students may earn credit through an approved adult education program. Letter grades from these sources are calculated into the student's grade point average. Pass/Fail grades from any of these sources are not calculated into the student's grade point average. Further information on these requirements can be obtained through the counseling center.

Michigan Career Pathways

Arts and Communication Pathway:

Careers and programs of study related to the humanities and to the performing, visual, literary, and media arts. These may include creative or technical writing, illustrating, graphic designing, publishing, theater arts, journalism, education, languages, radio and television broadcasting, photography, advertising and public relations. Electives appropriate for this career pathway include... writing classes (21st Century Communication, creative writing), languages (Spanish), visual / performing / applied arts classes (Band, Art, Theatre), electives in the social studies (Psychology, Sociology), and Speech.*

Business Management, Marketing, and Technology Career Pathway:

Careers and programs of study related to all aspects of business, including accounting, business administration, finance, information processing, and marketing. These may include entrepreneurship, sales, marketing, hospitality and tourism, computer/information systems, finance, accounting, office administration, personnel, and management. Electives appropriate for this career pathway include... writing classes (21st Century Communication, Creative Writing), languages (Spanish), Business and technology (computer) classes (ABS, Design Tech, Business Management, Business Law, Accounting), math classes (Trig, Statistics, Pre Calculus, Calculus, Honors Math), engineering and science classes (IED, POE, Physics), and social studies electives (Sociology, Psychology).*

Engineering/Manufacturing and Industrial Technology Career Pathway:

Programs of study related to the technologies necessary to design, develop, install, or maintain physical systems. These may include occupations in designing, engineering and science, services technicians, manufacturing technology, transportation and construction. Electives appropriate for this career pathway include... writing classes (21st Century Communication, Creative Writing), languages (Spanish), Business and technology (computer) classes (ABS, Design Tech, Business Management, Business Law, Accounting), math classes (Trig, Statistics, Pre Calculus, Calculus, Honors Math), engineering and science classes (IED, POE, Physics), and social studies electives (Sociology, Psychology).*

Health Sciences Career Pathway:

Careers and programs of study related to the promotion of health as well as the treatment of injuries, conditions, and disease. These may include medicine, dentistry, nursing, therapy and rehabilitation, nutrition, fitness and hygiene, public health, and veterinary science. Electives appropriate for this career pathway include... writing classes (21st Century Communication, Creative Writing), languages (Spanish), Business and technology (computer) classes (ABS, Design Tech, Business Management), math classes (Statistics), science classes (Anatomy, Microbiology, Lab Science, Chemistry 2), social studies electives (Sociology, Psychology) and Health / Physical Education electives (Sports Training, Exercise and Nutrition).*

Human Services Career Pathway:

Careers and programs of study related to economic, political, social systems, child care, civil service, education, hospitality, and the social services. These may include law and legal studies, law enforcement, public administration, child and family services, and social services. Electives appropriate for this career pathway include... writing classes (21st Century Communication, Creative Writing), languages (Spanish), Business and technology (computer) classes (ABS, Design Tech, Business Management, Business Law), math classes (Statistics, Pre Calculus), science classes (Anatomy, Microbiology, Lab Science), social studies electives (Sociology, Psychology), Health / Physical Education electives (Exercise and Nutrition), Performance / Visual / Applied Arts classes (Art, Band, Choir, Theatre).*

Natural Resources and Agriscience Career Pathway:

Careers and programs of study related to natural sciences, agriculture, and the environment. These may include agriculture, earth sciences, environmental sciences, fisheries management, forestry, horticulture, wildlife management, and many agribusiness/agri-industry occupations. Electives appropriate for this career pathway include... writing classes (21st Century Communication, Creative Writing), languages (Spanish), Business and technology (computer) classes (ABS, Design Tech, Business Management, Business Law, Accounting), math classes (Trig, Statistics, Pre Calculus), engineering and science classes (IED, POE, Physics, Anatomy, Environmental Science, Microbiology, Geology), and social studies electives (Sociology, Psychology).*

**Note: It is important to note that the Career Center has a multitude of programs, which we cannot afford to provide, that fit all of these career paths. They should be strongly considered. Also, some core class credits can be earned at the Career Center through the embedded format.*

Sample Class Schedules

Grade 9 Required Classes:	English 1	1 credit
	LAS	1 credit
	Physical Science	1 credit
	Algebra C&S/Algebra/Advanced Algebra	1 credit
	Foreign Language	1 credit
	Other elective choices to total 7 credits	2 credits

Freshman Electives:	Spanish 1	Pre Algebra	Personal Fitness
	Theatre	Jazz Band	Health
	Weight Training	ABS	Art 1
	Transitions	Band	Choir
	Lab Science	Introduction to Engineering and Design-(IED)	

- Note: While selecting electives, keep in mind that there are some “non-core” classes that are required and that they will have to be scheduled at some point in the student’s high school career. These classes include Health, physical education, and Visual / Performing / Applied Arts classes. It may be wise to take some of these requirements out as electives in the freshman year. All classes are .5 credits per term.

Sample Schedule (Grade 9):

Semester 1	Hour	Class	Semester 2	Hour	Class
	1	English 1A		1	English 1B
	2	Physical Science A		2	Physical Science B
	3	ABS		3	Health
	4	Band		4	Band
	5	Algebra A		5	Algebra B
	6	LAS A		6	LAS B
	7	Spanish 1A		7	Spanish 1B

Grade 10 Required Classes:	English 2	1 credit
	World Studies	1 credit
	Biology	1 credit
	Geometry or Advanced Algebra	1 credit
	Foreign Language	1 credit
	Other elective choices to equal 7 credits	2 credits

Sophomore Electives:

English	Creative Writing	Film Study	Historical Fiction
	Journalism	Mythology/Folklore	One vs. Society
	21st Century Communication	Speech	
World Languages	Spanish 1	Spanish 2	
Business/Technology	Accounting	ABS	Business Management
	Design Technology A (Web)	Design Technology B (CAD)	
Math	Pre-Calculus	Advanced Algebra	Geometry
Science	Astronomy	Geology	Chemistry
	Intro / Engineering and Design	Lab Science	Principles of Engineering
Social Studies	Transitions		
Fine Arts	Art 1	Art 2	Band
	Choir	Jazz Band	Theatre
Health and PE	Weight Training	Adv'd Weight Training	Health
	Personal Fitness	Sports Training	

Grade 11 Required Classes:	English 3	1 credit
	Government/Econ	1 credit
	Chemistry or Physics	1 credit
	Geometry or Advanced Algebra	1 credit
	Other elective choices to equal 7 credits	3 credits

Note: Career Center students will fill hours 5, 6 and 7 in all semesters at the Career Center. This option will limit their elective selections. However, keep in mind some core class credits can be earned at the Career Center during the senior year through the embedded format.

Note: Honors English is a two semester class and may be substituted for English 3.

Junior Electives:

English	Creative Writing	Film Study	Historical Fiction
	English 3	Journalism	Mythology/Folklore
	One vs. Society	Speech	21st Century Communication
World Languages			
	Spanish 1	Spanish 2	
Business/Technology	Accounting	ABS	Business Management
	Business Law	Design Technology A (Web)	Design Technology B (CAD)
		Marketing	
Math	Pre-Calculus	AP Calculus	
Science	Anatomy	Astronomy	Environmental Science
	Geology	Chemistry	Intro / Engineering and Design
	Lab Science	Micro Biology	Principles of Engineering
Social Studies	Pop Culture in the 20 th Century	Sociology	
	Psychology	Transitions	On-Line Studies
Fine Arts	Art 1	Art 2	Theatre
	Band	Choir	Jazz Band
Health and PE	Weight Training	Adv'd Weight Training	Health
	Personal Fitness	Sports Training	
Other Electives	Career Center classes	JC classes	SAU/BAK classes

Grade 12 Required Classes:

4th English Credit 1 credit (May be any two English electives totaling 1 credit)

Final Year Math 1 credit (May be any two math classes totaling 1 credit)

Senior Transitions (Must have portfolio approved and pass exit interview)

Other elective choices to equal 7 credits

Note: Through elective choices over the four years in high school, the student must have completed required credits in health, physical education, and Visual / Performing / or Applied Arts.

Senior Electives:

English	Creative Writing	Film Study	Historical Fiction
	Honors English	Journalism	Mythology/Folklore
	One v. Society	Speech	21st Century Communication
World Languages			
	Spanish 1	Spanish 2	Spanish 3/4
		International Travel	
Business/Technology	Accounting	ABS	Business Management
	Business Law	Design Technology A (Web)	Design Technology B (CAD)
		Marketing	
Math	ACT Prep	AP Calculus	Consumer Math
	Pre-Calculus	Intro to Engineering and Design	
Science	Anatomy	Astronomy	Environmental Science
	Geology	Chemistry	Intro / Engineering and Design
	Lab Science		Microbiology
		Physics	Principles of Engineering
Social Studies	Current Issues	Pop Culture in the 20 th Century	Psychology
	Sociology	Transitions	On-Line Studies
Fine Arts	Art 1	Art 2	Theatre
	Band	Choir	Jazz Band
Health and PE	Weight Training	Adv'd Weight Training	Health
	Personal Fitness	Sports Training	
Other Electives	Career Center classes	JC classes	SAU/BAK classes

Educational Development Plan (EDP) and Testing Schedule

Grade	Test	Scheduled	Description	Reported
7	EDP	Done in Class	Educational Development Plan – Career interest inventory and Development of academic and career path	Can be accessed at home and library on internet
8	EDP – Updated	Spring		Meeting with parents in 8 th grade year -
	PSAT Test	Spring	Pre SAT test – interest inventory, analysis of academic weakness, academic planning, post-secondary planning, and predicted SAT score	Results sent to parents by mail - Results interpreted to student in small group meetings. Results are used in 9 th grade scheduling.
	Career Exploration		Students research various career interests and write an essay about their findings	
9	EDP - Updated			
10	EDP Updated			
	PSAT Test	Fall	Pre SAT test – interest inventory, analysis of academic weakness, academic planning, post secondary planning, and predicted SAT score	Results sent to parents with memo – results discussed in class with students - booklet used. Results used for Dual Enrollment placement.
	Career Center Assessment	As Scheduled	Assessment for placement within Career Center programs	
11	EDP Updated			
	M STEP		State standardized test	Results sent to parents by mail – Results explained to students by counselor
	SAT	Included in the MME	College Board – A primary test for college entrance requirements	Reported to students directly from SAT
	PSAT	Fall/Optional	Pre-qualification for National Merit Organization’s competition	Reported to students when results are received
	Work keys - *Reading *Math *Information	Included in the MME	A basic skills test which assesses career readiness	
12	EDP updated		Senior page and follow up procedures are completed	
	Portfolio / Exit interview	Required - Graduation	Personally developed portfolio displaying academic and employability skills – Culminates in exit interview	Reported to student at interview



Checklist to Countdown in Planning for College:

It is never too late or early to start planning for your future after high school. This timeline can help you keep up with the dates and deadlines to plan from:

9th Grade Fall:

- Extra Curricular Activities in or outside of school through volunteer work or clubs are important. (Keep a list) Develop leadership skills. Involvement may lead to scholarships and/or summer jobs. But don't overdo it! Your grades are very important!
- Focus on good time management and study habits.
- Begin to explore careers and talk to people in jobs that interest you. What education do those jobs require? The counseling center and library are good places to start.
- Discuss with your parents **NOW** about college costs. You can help too by starting to save. It's not too early to investigate information.

Ninth graders have the opportunity to take part in PSAT Program. **PSAT** is the 9th grade test that gives students a forecast of how they might perform on the SAT Assessment.

* PSAT scores are used to determine eligibility for dual enrollment purposes.



10th Grade Fall:

- Focus on maintaining the best grades you can through the year.
- Be prepared for the PSAT through online practice testing with Khan Academy.

Tenth graders have the opportunity to take part in the PSAT. **PSAT** is the 10th grade test that gives students a forecast of how they might do on the SAT Assessment. The SAT Assessment is taken in the junior or senior year and is used for college admission and placement. In addition to gauging academic achievement, PSAT provides extensive information for educational and career planning. It is a helpful experience for all students whether or not they have decided to go to college. Each participating student receives a report that:

- identifies academic strengths & weaknesses
- helps students explore career interests
- helps focus on career goals and the preparation needed to achieve them

* PSAT scores are used to determine eligibility for dual enrollment purposes.



10th Grade Winter:

- Review your four year plan & Educational Development Plan (EDP) with your counselor while making your schedule for next year.
- Make a list of potential schools to visit this summer & contact them for a tour.
- Speak with your counselor about your plans after high school and your EDP.

11th Grade Fall:



- Take the PSAT Test 3rd week in October. PSAT is another opportunity to earn qualifying scores for dual enrollment and for Pre-Qualifying for the National Merit Competition.
- Update your Educational Development Plan in the Career Center or at home through CareerCruising.com. (you may get your user name and password from counselors or English teachers)
- Volunteer to help in community service agencies and continue to participate in extra-curricular activities in and outside of school.
- Prepare for M STEP and SAT test through online practice testing through Khan Academy.



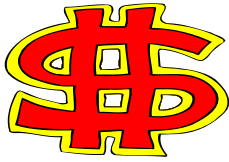
11th Grade Spring:

- Register for M STEP/SAT spring testing which colleges use for admissions and placement. Registration will take place during a class period.
- Students will take the M STEP test, which includes the SAT, in April.
- These scores will also be a part of your permanent school transcript and used to determine dual enrollment opportunities.
- Remember to review with your counselor the courses you will need to take to meet the graduation requirements for your diploma.
- Make sure you visit the colleges you want to apply for admissions to avoid spending money on application fees that you do not need. The summer before your senior year is a good time to visit your top three college choices.
- Write an essay that speaks to your strengths and weakness, goals and aspirations for the numerous scholarship and application essays that will ask the same question of you.
- Check to see if you can dual enroll for your senior year and begin receiving college credit through shared time programs at local post-secondary institutions.



12th Grade Fall:

- Don't get "*Senioritis!*" Your senior courses and grades do make a difference!
- Retake the SAT if you were not satisfied with your scores.
- Sign up in the Counseling Office to speak with College Admissions Reps about requirements for admission to their institution.
- Update your Educational Development Plan in Senior Transitions through CareerCruising.com.
- Turn in college admissions applications before Thanksgiving. You may apply to colleges before taking the ACT/SAT tests. Make sure your allow 48 hours before the deadline to allow your counselors to fill in the counselor section of the application which typically includes: GPA, rank in class, MME scores & ACT/SAT scores.
- Applying to colleges is not deciding! It provides the student with more options. The way your senior feels in September/October, may not be the same way your senior will feel in May/August.
- Begin searching and applying for scholarships.



Scholarship websites include:

Fastweb.com - free search, over 600,000 scholarships.

Scholarships.com - includes information on scams and other scholarship-related topics.

Supercollege.com - College and scholarship related articles and links.

12th Grade Winter:

- Attend the **Financial Aid Workshop** for Parents and Students in January in the school library.
- Submit the FAFSA Financial Aid Form online or by mail for potential financial aid through scholarships and grants by March 1.
- Notify the school you choose to attend by May 1st that you will be coming and notify the rest that you are declining their offer but thank you.
- Make a point of checking the scholarship box in the Counseling Office weekly for new scholarships.



12th Grade Spring:

- Be sure to submit your housing forms, fees and orientation requests to the college so you do not miss any deadlines.



Look like a great deal of Work?

- It's not really. Just take one step at a time. If you have already missed some steps, don't panic. **See your counselor for alternatives.**

NCAA DIVISION I & II ELIGIBILITY STANDARDS

SEE THEIR WEBSITE (www.eligibilitycenter.org) FOR THE MOST UP-TO-DATE INFORMATION!

Hanover-Horton High School List of Approved Core Courses (Form 48H)

As of April 2015—see NCAA website for more information

English:	Creative Writing English 1 English 2 English 3 English 4	Advanced Journalism Historical Fiction (English) Journalism Mythology/Folklore 21st Century Communication
Social Science:	Government/Economics Historical Fiction (Soc. St.) Sociology World Studies Adv. Psychology	Major Wars Psychology Later American Studies Current Issues and World History Psychology II
Mathematics:	Advanced Algebra Algebra: Concepts and Skills Geometry Honors Math Trigonometry Algebra A and B Introduction to Engineering and Design	Algebra Calculus Geometry: Concepts and Skills Pre-Calculus Probability & Statistics Integrated Math I and II Principles of Engineering
Science:	Anatomy Biology Chemistry Physics Microbiology	Astronomy Environmental Science Chemistry 2 Physical Science Geology
Foreign Language:	Spanish 1 Spanish 2 Spanish 3 Spanish 4	
Courses that DO NOT currently have NCAA approval:	Film Study Accounting Business Law Business Management Consumer Math Chemistry Concepts Any other not listed above	Computer Aided Drafting Computers 1 and 2 Health Applied Math Citizenship & Responsibility Child Development

Online providers work directly with the NCAA in order for their classes to be approved. Prior to taking any online classes, please check with either a counselor or the Athletic Director.

Course Descriptions

Business/Technology

44025010 Applied Business Systems

Applied Business Systems is taught in an online format. The objective of the course is to give the students an experience in online learning format. When the students have completed the course, they will have improved their technical writing skills, used a variety of software to complete business-like projects, including business letters, spreadsheets, reports, brochures, and presentations. These will be accomplished through the use of Microsoft Office. The students will also be looking at careers and their future goals through different experiences. (Elective-fulfills online requirement)

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

44000010A Accounting 1A

The Accounting I class focuses on the accounting cycle and basic accounting principles. Emphasis is placed on various factors that impact the financial standing of a company until they are eventually compiled into the income statement and balance sheet. Upon completion of manual accounting procedures, students will be able to apply the concepts to an automated accounting system. The objective of the class is to expose the student to the concepts of business including profit/loss, accounting procedures, financial statements, and the potential of a career in the accounting field. (Elective)

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10-12

44000010B Accounting 1B

The Accounting I class focuses on the accounting cycle and basic accounting principles. Emphasis is placed on various factors that impact the financial standing of a company until they are eventually compiled into the income statement and balance sheet. Upon completion of manual accounting procedures, students will be able to apply the concepts to an automated accounting system. The objective of the class is to expose the student to the concepts of business including profit/loss, accounting procedures, financial statements, and the potential of a career in the accounting field. (Elective)

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10-12

PREREQUISITES: If you take this course, you must also take 44000010A - Accounting 1A

44010010A Business Management A

Business Systems and Skills introduce basic business concepts through the use of simulated business activities through the school store and other various hands-on projects. This class will emphasize the various functions that are essential to a successful business, including product development, marketing, production management, and finance. The class will also incorporate basic business skills in areas of communication, management, leadership, and use of technology. Students will develop good work habits. Emphasis will be placed on the manner in which these skills fit into the various activities of a successful business from marketing and product development through production and financial accounting. (Elective)

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10-12

44010010B Business Management B

Business Systems and Skills introduce basic business concepts through the use of simulated business activities through the school store and other various hands-on projects. This class will emphasize the various functions that are essential to a successful business, including product development, marketing, production management, and finance. The class will also incorporate basic business skills in areas of communication, management, leadership, and use of technology. Students will develop good work habits. Emphasis will be placed on the manner in which these skills fit into the various activities of a successful business from marketing and product development through production and financial accounting. (Elective)

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10-12

PREREQUISITES: If you take this course, you must also take 44010010A - Business Management A

46005213A Design Technology A

Design Technology is a combination of Web design and Computer Aided Drafting. The Web Design is a hands-on introduction to designing web pages using Macromedia products. The products include "Dream Weaver," "Fireworks," and "Flash," and use of other website options. This portion of the class is for students interested in designing web pages. Activities include laying out the web pages, including links, pictures and content, exercises in each product and problem solving projects.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10-12

PREREQUISITE: Basic Computer Skills

COREQUISITES: If you take this course, you must also take 46005213B - Design Technology B

46005213B Design Technology B

The course is also appropriate for advanced technology students having an interest in engineering, manufacturing, or design as careers. The course uses "Chief Architect," "Pro Desktop," and other technology design software to help new users explore and develop skills in sketching, conventional drafting, 2D drawing, 3D wire-frame modeling, 3D solid modeling, and machining of products. Content includes computer animation, image processing, desk top publishing, web page design, and problem solving. Activities are divided into a series of drawings, exercises, and design/problem solving projects.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10-12

COREQUISITES: If you take this course, you must also take 46005213A - Design Technology A

44012010 Business Law

Business Law focuses on greater awareness of and responsibility towards the law, particularly as it applies to business relationships. The class emphasizes the application of legal principles to the problems of the individual, business, and society. It covers the rights and liabilities of parties in everyday transactions and contacts made by minors, adults, and businesses. This course will cover information about the origin and development of law, how contracts are made, the law regarding contracts and property, negotiable instruments, the court system, civil and criminal law, and the law of business relationships and business organization. (Elective)

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

PREREQUISITE: 44010010B - Business Management B

Fine Arts

43500010A Art 1A

Art 1 will develop an understanding of the basic elements of art. Students will learn basic techniques about drawing, painting, sculpture, color and design. From their experiences in this class, students should gain an awareness and sensitivity for visual surroundings, as well as appreciation and respect for art. (Elective)

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 43500010B - Art 1B

43500010B Art 1B

Art 1 will develop an understanding of the basic elements of art. Students will learn basic techniques about drawing, painting, sculpture, color and design. From their experiences in this class, students should gain an awareness and sensitivity for visual surroundings, as well as appreciation and respect for art. (Elective)

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

PREREQUISITE: 43500010A - Art 1A

43505010A Art 2A

Students in Art 2 will further develop the skills of drawing, painting, sculpture, color, and design that were first learned in Art 1. They will study human form, as well as non human form. Three dimensional work with cardboard and clay will be explored. Still life and outdoor life will be encouraged, from the imagination and subconscious, through abstract and atmospheric type drawing. Students will also learn detailed illustrations/instructions on how to create brush paintings using a variety of subjects. The student will develop different pencil skills and methods of drawing covering every aspect of this medium. A variety of examples and techniques will be explored to give a comprehensive and innovative approach to understanding art and its place in the student's world. (Elective)

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10-12

PREREQUISITE: 43500010B - Art 1B

COREQUISITES: If you take this course, you must also take 43505010B - Art 2B

43505010B Art 2B

Students in Art 2 will further develop the skills of drawing, painting, sculpture, color, and design that were first learned in Art 1. They will study human form, as well as non human form. Three dimensional work with cardboard and clay will be explored. Still life and outdoor life will be encouraged, from the imagination and subconscious, through abstract and atmospheric type drawing. Students will also learn detailed illustrations/instructions on how to create brush paintings using a variety of subjects. The student will develop different pencil skills and methods of drawing covering every aspect of this medium. A variety of examples and techniques will be explored to give a comprehensive and innovative approach to understanding art and its place in the student's world. (Elective)

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10-12

PREREQUISITES: 43505010A - Art 2A

43520010A Band A

This course is designed to further the students' personal development of his/her playing ability and to be a contributing member of this group. Parades, contests, concerts, pep bands at football and basketball are an integral part of the year's activities. All students are required to attend all public performances.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 43520010B - Band B

43520010B Band B

This course is designed to further the students' personal development of his/her playing ability and to be a contributing member of this group. Parades, contests, concerts, pep bands at football and basketball are an integral part of the year's activities. All students are required to attend all public performances.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 43520010A - Band A

43525010A Jazz Band A

This course takes the knowledge gleaned from the High School Concert band and applies it to the only truly American art form. The students develop skills in improvising, as well as performing in various Jazz styles such as Swing, Latin, Fusion, and Pop. The students become proficient at performing both written and improvised music in the classroom and concert settings.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 43525010B - Jazz Band B

43525010B Jazz Band B

This course takes the knowledge gleaned from the High School Concert band and applies it to the only truly American art form. The students develop skills in improvising, as well as performing in various Jazz styles such as Swing, Latin, Fusion, and Pop. The students become proficient at performing both written and improvised music in the classroom and concert settings.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 43525010A - Jazz Band A

43530010A Choir A

A vocal music class that is open to any interested high school student. Emphasis is placed on developing proper singing technique, and improving music reading skills. All students are required to attend all public performances.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 43530010B - Choir B

43530010B Choir B

A vocal music class that is open to any interested high school student. Emphasis is placed on developing proper singing technique, and improving music reading skills. All students are required to attend all public performances.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 43530010A - Choir A

41060010A Theatre A

This course covers the basic elements of theater including history, stage presence (voice, movement, stage geography, and characterization) and technical aspects (production, lighting, stagecraft, costuming, and makeup). The student will also assist in producing the school play. The main focus of this course is public performance. (Elective)

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 41060010B - Theatre B

41060010B Theatre B

This course covers the basic elements of theater including history, stage presence (voice, movement, stage geography, and characterization) and technical aspects (production, lighting, stagecraft, costuming, and makeup). The student will also assist in producing the school play. The main focus of this course is public performance. (Elective)

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 41060010A - Theatre A

Language Arts

41000010A English 1A (Literature, English)

English 1 is designed to help freshmen build literary, reading, writing, vocabulary, and grammar skills. Students will read, analyze and discuss short stories, an epic poem, Shakespearean drama (*Romeo and Juliet*), a novel, and informational texts. To help them become more effective communicators, they will work on grammar usage and mechanics and will write several different types of essays. Students will review research techniques and then write a research paper.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9

COREQUISITES: If you take this course, you must also take 41000010B - English 1B (Literature, English)

41000010B English 1B (Literature, English)

English 1 is designed to help freshmen build literary, reading, writing, vocabulary, and grammar skills. Students will read, analyze and discuss short stories, an epic poem, Shakespearean drama (*Romeo and Juliet*), a novel, and informational texts. To help them become more effective communicators, they will work on grammar usage and mechanics and will write several different types of essays. Students will review research techniques and then write a research paper.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9

COREQUISITES: If you take this course, you must also take 41000010A - English 1A (Literature, English)

41005010A English 2A (American Literature, English)

This course will trace the development of the literary heritage of our country from colonial times to the 20th century including poetry, short stories, plays, non-fiction, informational text, and/or a novel. Required reading includes *The Crucible*. The course will include process writing and a required formal research paper, as well as review and instruction of grammar/language skills.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10

COREQUISITES: If you take this course, you must also take 41005010B - English 2B (American Literature, English)

41005010B English 2B (American Literature, English)

This course will trace the development of the literary heritage of our country from colonial times to the 20th century including poetry, short stories, plays, non-fiction, informational text, and/or a novel. Required reading includes *The Crucible*. The course will include process writing and a required formal research paper, as well as review and instruction of grammar/language skills.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10

COREQUISITES: If you take this course, you must also take 41005010A - English 2A (American Literature, English)

41020010A Journalism A

This course covers elements of news writing and studies aspects of newspapers, including features, editorials, headlines, layout, and editing. Students will publish the school newspaper *Skywriter*. ***Credit: .5 per semester Elective (4th year English requirement)

CREDIT: 0.5 TYPE: Regular GRADE: 10-12

41035000 Historical Fiction

Historical Fiction will combine research and the study of historical periods with literature set in those time periods. Suggested literature includes the antebellum *Uncle Tom's Cabin*, pre-Civil War era's *Huck Finn*, World War I's *All Quiet on the Western Front*, the Depression Era's *The Grapes of Wrath*, After the Depression, *Night*, and the 1950's *Raisin in the Sun*. Students will improve their writing skills by writing essays based on the novels. Elective (4th year English requirement)

CREDIT: 0.5 TYPE: Regular GRADE: 10-12

41051010 Creative Writing

Can you think of fifteen ways to use a feather? Do you know similarities between a bowling ball and a shirt button? Are you the type of person to imagine if frogs could fly? If so, the creative part of this class could be the peanut butter to fill all of your chocolate. As to the writing - a variety: stories, poems, newspaper columns, historical fiction. The amount? A little to a lot. Models are studied as an introduction to a new writing technique. Elective (4th year English requirement)

CREDIT: 0.5 TYPE: Regular GRADE: 10-12

41075002 Mythology and Folklore

Welcome to a strange and fascinating world where human forms turn into seagulls, lions, bears, and stars! Welcome to a time when the impossible seems common; when the moon, stars, the sun and the wind are all gods! Welcome to the world of mythology. This one semester class will study classical mythology of Greece and Rome, as well as that of other world cultures. Research projects and presentations will also be an integral part of this class. Elective (4th year English requirement). You're all familiar with Paul Bunyan and Pecos Bill, but do you know Billy Beg or the Three Sillies? This class will study the varied types of folktales from the "why" tale to the trickster tale, and everything in between. We won't just limit our study to tales or lore, however, but will also look at crafts, music, dance, and patterns of behavior of several different cultures whose traditions have been orally handed down from generation to generation. Research skills and the willingness to try your hand at "storytelling" are required for the class. Elective (4th year English requirement)

CREDIT: 0.5 TYPE: Regular GRADE: 10-12

41080000 Film Study

Film study is a one semester course designed for students who desire an in-depth examination of the visual communication arts. The primary components of this course will include the history of film. Students will examine early films from the silent era and progress to contemporary film. These may include the works of Chaplin, Welles, and Hitchcock. Through the critical examination of film, students will develop a comparison/contrast essay and critical film reviews. They will produce a short film at the end of the course. Elective (4th year English requirement)

CREDIT: 0.5 TYPE: Regular GRADE: 10-12

41010010A English 3A (British Literature, English)

This course will trace the development of the literary heritage of England from its roots to the 20th century including poetry, short stories, plays, non-fiction, informational text, and a novel. The study of Shakespeare will continue from freshman year. Writing will include process writing and a required research paper.

CREDIT: 0.5 TYPE: Regular GRADE: 11

COREQUISITES: If you take this course, you must also take 41010010B - English 3B (British Literature, English)

41010010B English 3B (British Literature, English)

This course will trace the development of the literary heritage of England from its roots to the 20th century including poetry, short stories, plays, non-fiction, informational text, and a novel. The study of Shakespeare will continue from freshman year. Writing will include process writing and a required research paper.

CREDIT: 0.5 TYPE: Regular GRADE: 11

COREQUISITES: If you take this course, you must also take 41010010A - English 3A (British Literature, English)

41055030 One vs. Society

The 20th century saw many attempts by nations to create new types of governments and to increase the control these governments had over the lives of their citizens. This course examines the literature that came as a response to such practices, making it a reflection of the modern world as well as a prediction of what may come in the near future. Students will improve their writing skills by writing essays based on the novels. Elective (4th year English requirement)

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

41026011A AP English A (Literature, English)

AP English gives students a learning experience equivalent to a typical undergrad "introduction to literature" class. Through close reading of literary texts, students will come to understand how writers use language to provide meaning and to answer the big questions in life. The course's pace, outline, literature selections, writing assignments, and assessments are based on the AP model. Students have the opportunity to take the AP exam for college credit at the end of the class at their own expense.

CREDIT: 0.5 **TYPE:** AP **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 41095001B - AP English B (Literature, English)

41026011B AP English B (Literature, English)

AP English gives students a learning experience equivalent to a typical undergrad "introduction to literature" class. Through close reading of literary texts, students will come to understand how writers use language to provide meaning and to answer the big questions in life. The course's pace, outline, literature selections, writing assignments and assessments are based on the AP model. Students have the opportunity to take the AP exam for college credit at the end of the class at their own expense.

CREDIT: 0.5 **TYPE:** AP **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 41095001A - AP English A (Literature, English)

41025111 21st Century Communication

21st Century Communication shows students how different cultures are integrating with each other.

CREDIT: 0.5 **TYPE:** Regular **GRADES:** 10-12

Mathematics

45005010A Algebra A

The student will learn the basic algebraic concepts. The course covers matrices, probability, linear, quadratic and absolute functions, graphing, solving variable equalities and inequalities, problem solving, and factoring polynomials, and rational equations.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 45005010B - Algebra B

45005010B Algebra B

The student will learn the basic algebraic concepts. The course covers matrices, probability, linear, quadratic and absolute functions, graphing, solving variable equalities and inequalities, problem solving, and factoring polynomials, and rational equations.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 45005010A - Algebra A

45010010A Advanced Algebra A

This is a continuation of the Algebra 1 course. Emphasis is placed on deductive reasoning in Algebra. The course covers REAL number system, solution of linear equations, graphing, absolute value, inequalities, logarithmic and the exponential functions, and rational equations. This course is designed to give the mathematically inclined student an increased understanding of the nature of higher mathematics. This is a college preparatory course.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

PREREQUISITE: 45005010A - Algebra A or 45005010B - Algebra B

COREQUISITES: If you take this course, you must also take 45010010B - Advanced Algebra B

45010010B Advanced Algebra B

This is a continuation of the Algebra 1 course. Emphasis is placed on deductive reasoning in Algebra. The course covers REAL number system, solution of linear equations, graphing, absolute value, inequalities, logarithmic and the exponential functions, and rational equations. This course is designed to give the mathematically inclined student an increased understanding of the nature of higher mathematics. This is a college preparatory course.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 45010010A - Advanced Algebra A

45010011A Advanced Algebra C & S A

A continuation of Algebra 1 Concepts & Skills; the student learns basic algebraic concepts but will do so at a slower pace. Emphasis is placed on deductive reasoning in Algebra. The course covers REAL number system, solution of linear equations, graphing, absolute value, inequalities, logarithmic and the exponential functions. This course is designed to give the mathematically inclined student an increased understanding of the nature of higher mathematics. This is a college preparatory course.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 45010011B - Advanced Algebra C & S B

45010011B Advanced Algebra C & S B

A continuation of Algebra 1 Concepts & Skills; the student learns basic algebraic concepts, but will do so at a slower pace. Emphasis is placed on deductive reasoning in Algebra. The course covers REAL number system, solution of linear equations, graphing, absolute value, inequalities, logarithmic and the exponential functions. This course is designed to give the mathematically inclined student an increased understanding of the nature of higher mathematics. This is a college preparatory course.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 45010011A - Advanced Algebra C & S A

45014910A Algebra: Concepts & Skills A

Like Algebra, the student learns basic algebraic concepts but will do so at a slower pace. Course topics for Algebra: Concepts and Skills include: - Equations (solving, quadratic equations, inequalities, and the quadratic formula) - Graphing (of linear equations, use of the slope intercept form, linear inequalities, and quadratic equations) - Writing of equations (use of the slope - intercept form, the point - slope form, standard form, perpendicular lines, and parallel lines) - Exponents and scientific notation - Polynomials (manipulating and factoring) - Radicals (square roots, simplification, and rationalizing the denominator) - Exponential functions (growth and decay rate) - Real numbers - Rational equations

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 45014910B - Algebra: Concepts & Skills B

45014910B Algebra: Concepts & Skills B

Like Algebra, the student learns basic algebraic concepts but will do so at a slower pace. Course topics for Algebra: Concepts and Skills include: - Equations (solving, quadratic equations, inequalities, and the quadratic formula) - Graphing (of linear equations, use of the slope intercept form, linear inequalities, and quadratic equations) - Writing of equations (use of the slope - intercept form, the point - slope form, standard form, perpendicular lines, and parallel lines) - Exponents and scientific notation - Polynomials (manipulating and factoring) - Radicals (square roots, simplification, and rationalizing the denominator) - Exponential functions (growth and decay rate) - Real numbers

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 45014910A - Algebra: Concepts & Skills A

45015010A Geometry: Concepts and Skills A

Like Geometry, this course will give students knowledge of the vocabulary of geometry. It covers many of the same concepts as geometry, but does so at a slower pace. The course will also introduce concepts of inductive and deductive reasoning and conditional and bi-conditional statements. It will also include beginning triangular trigonometry, as well as the unit circle, and basic trig graphs, as well as the law of sines and the law of cosines to solve triangles. Students will use rules of logic and their knowledge of algebra to solve problems related to types of geometric shapes. Segments of this course include... - Learning to recognize patterns and use inductive / deductive reasoning, - Conditional and bi-conditional statements, - Working with lines, angles, polygons, circles, and other forms of geometric shapes - in both plane and solid forms, and - The use of two-column proofs and algebra to solve geometric problems.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

PREREQUISITE: Algebra or Algebra C&S

COREQUISITES: If you take this course, you must also take 45015010B - Geometry: Concepts and Skills B

45015010B Geometry: Concepts and Skills B

Like Geometry, this course will give students knowledge of the vocabulary of geometry. It covers many of the same concepts as geometry, but does so at a slower pace. The course will also introduce concepts of inductive and deductive reasoning and conditional and bi-conditional statements. It will also include beginning triangular trigonometry, as well as the unit circle, and basic trig graphs, as well as the law of sines and the law of cosines to solve triangles. Students will use rules of logic and their knowledge of algebra to solve problems related to types of geometric shapes. Segments of this course include... - Learning to recognize patterns and use inductive / deductive reasoning, - Conditional and bi-conditional statements, - Working with lines, angles, polygons, circles, and other forms of geometric shapes - in both plane and solid forms, and - The use of two-column proofs and algebra to solve geometric problems

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 45015010A - Geometry: Concepts and Skills A

45030010A Geometry A

This course will give students knowledge of the vocabulary of geometry. The course will also introduce the idea of deductively proving a fact to be true. Students will learn to think logically, clearly, and to apply the algebra already learned to solve problems about geometrical shapes. Plane and solid geometry are taught concurrently with a brief introduction to analytic geometry and the use of the coordinate axis. This course will also include beginning triangular trigonometry, as well as the unit circle, and basic trig graphs, as well as the law of sines and the law of cosines to solve triangles.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

PREREQUISITE: Algebra and Adv. Algebra

COREQUISITES: If you take this course, you must also take 45030010B - Geometry B

45030010B Geometry B

This course will give students knowledge of the vocabulary of geometry. The course will also introduce the idea of deductively proving a fact to be true. It will also include beginning triangular trigonometry, as well as the unit circle, and basic trig graphs, as well as the law of sines and the law of cosines to solve triangles. Students will learn to think logically, clearly and to apply the algebra already learned to solve problems about geometrical shapes. Plane and solid geometry are taught concurrently with a brief introduction to analytic geometry and the use of the coordinate axis.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 45030010A - Geometry A

45050010A Pre-Calculus A

This course will include an in-depth study of functions: linear, polynomial, and logarithmic; use and simplifying rational functions; graphs and equations of conic sections; expanded applications of the circular of trig functions. Emphasis will be placed on using the topics learned in solving problems. Special emphasis is given to applications of concepts in math-related fields, i.e., statistical analysis, use of matrices in Physics and Engineering.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

PREREQUISITE: 45010010A - Advanced Algebra A **and** 45010010B - Advanced Algebra B

COREQUISITES: If you take this course, you must also take 45050010B - Pre-Calculus B

45050010B Pre-Calculus B

This course will include an in-depth study of functions: linear, polynomial, and logarithmic; use and simplifying rational functions; graphs and equations of conic sections; expanded applications of the circular of trig functions. Emphasis will be placed on using the topics learned in solving problems. Special emphasis is given to applications of concepts in math-related fields, i.e., statistical analysis, use of matrices in Physics and Engineering.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 45050010A - Pre-Calculus A

45052012A AP Calculus A

The purpose of this course is to introduce the accelerated mathematics students to college level mathematics. In this course, we will cover functions limits, derivatives and integration, as well as differential equations. We will also focus on applications of derivatives and integrals, as well as drawing 3-D graphs. Students will have the opportunity to pay for and take the AP Calculus exam at the end of the course. If passed, students will receive college credit.

CREDIT: 0.5 **TYPE:** AP **GRADE:** 12

PREREQUISITES: 45050010A - Pre-Calculus A and 45050010B - Pre-Calculus B

45052012B AP Calculus B

The purpose of this course is to introduce the accelerated mathematics students to college level mathematics. In this course, we will cover functions limits, derivatives and integration, as well as differential equations. We will also focus on applications of derivatives and integrals, as well as drawing 3-D graphs. Students will have the opportunity to pay for and take the AP Calculus exam at the end of the course. If passed, students will receive college credit.

CREDIT: 0.5 **TYPE:** AP **GRADE:** 12

PREREQUISITES: 45050010A - Pre-Calculus A and 45050010B - Pre-Calculus B

45000010A Consumer Mathematics (Personal and Business Math) A

Consumer Mathematics is a math applications class designed to prepare the student for real world math issues they will confront on a daily basis as adults. A primary resource used in the class is Dave Ramsey's Financial Peace for the Next Generation and included in the class are units related to taxes, loans, property ownership, personal money management and household budgeting. There are also units surrounding math in the workplace, particularly as it relates to precision measurement and geometric calculations. This course will also reinforce basic math concepts and skills as they relate to the everyday personal use of math. Elective (final year math requirement)

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 12

COREQUISITES: If you take this course, you must also take 45000010B - Consumer Mathematics (Personal and Business Math) B

45000010B Consumer Mathematics (Personal and Business Math) B

Consumer Mathematics is a math applications class designed to prepare the student for real world math issues they will confront on a daily basis as adults. A primary resource used in the class is Dave Ramsey's Financial Peace for the Next Generation and included in the class are units related to taxes, loans, property ownership, personal money management and household budgeting. There are also units surrounding math in the workplace, particularly as it relates to precision measurement and geometric calculations. This course will also reinforce basic math concepts and skills as they relate to the everyday personal use of math. Elective (final year math requirement)

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 12

COREQUISITES: If you take this course, you must also take 45000010A - Consumer Mathematics (Personal and Business Math) A

Miscellaneous Courses

49500010A Transitions A

Transitions is designed to help freshman students make a smoother transition into the heavier academic demands of the high school setting. **COURSE NOTE:** Placement into the class is by counselor or principal appointment.
CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9

49500010B Transitions B

Transitions is designed to help freshman students make a smoother transition into the heavier academic demands of the high school setting. **COURSE NOTE:** Placement into the class is by counselor appointment.
CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9

49500011A Transitions 2A

Transition 2 is designed to help sophomore and junior students with the academic demands of the high school setting while encouraging students to strive for success. **COURSE NOTE:** Placement into the class is by counselor or principal appointment.
CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10-11

49500011B Transition 2B

Transition 2 is designed to help sophomore and junior students with the academic demands of the high school setting while encouraging students to strive for success. **COURSE NOTE:** Placement into the class is by counselor or principal appointment.
CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10-11

41010010 Speech

The speech course offers various styles of oral communication while students are also learning skills in listening, voice control, development of idea, and delivery. There will be experiences in formal speeches, group discussion, interpretive reading, and research speeches. Student will acquire techniques needed for senior portfolio presentation.
CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

490500001A Online Learning A

Students may be able to take courses through an on-line provider during the regular school day. This opportunity is available to students with situations that meet the following criteria: The course is not offered by Hanover-Horton Schools. The course is offered by Hanover-Horton Schools but is not available to the student because of a scheduling conflict beyond the student's control. The course shall not be in the area of hobby craft, recreation, physical education, theology, divinity, or religious education. Credit: High school credits granted to a student shall be counted toward the graduation and subject area requirements of the school district. Course grades will be counted towards a student's final GPA from Hanover-Horton High School. *Note: Students that drop out of or fail a class may be responsible to reimburse the school district for the cost of the course. ***Credit: .5 per course
CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

490500001B Online Learning B

Students may be able to take courses through an on-line provider during the regular school day. This opportunity is available to students with situations that meet the following criteria: The course is not offered by Hanover-Horton Schools. The course is offered by Hanover-Horton Schools but is not available to the student because of a scheduling conflict beyond the student's control. The course shall not be in the area of hobby craft, recreation, physical education, theology, divinity, or religious education. Credit: High school credits granted to a student shall be counted toward the graduation and subject area requirements of the school district. Course grades will be counted towards a student's final GPA from Hanover-Horton High School. *Note: Students that drop out of or fail a class may be responsible to reimburse the school district for the cost of the course. ***Credit: .5 per course
CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

45001300 SAT Prep

A class to help students prepare for the SAT.
CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10-12

49032510A College A - dual enrollment

Dual enrollment - requires permission from School Counselor and principal. See School Counselor for criteria and enrollment form. **COURSE NOTE:** Student must meet criteria and must have permission from School Counselor and Principal.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 49032510B - College B - dual enrollment

49032510B College B - dual enrollment

Dual enrollment - requires permission from School Counselor and principal. See School Counselor for criteria and enrollment form. **COURSE NOTE:** Student must meet criteria and must have permission from School Counselor and Principal.

COURSE NOTE: Student must meet criteria and must have permission from School Counselor and Principal.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 49032510A - College - dual enrollment A

49600010 Senior Transitions

Senior Transitions has two functions; preparing the senior student for their next career/educational opportunity and completion of a portfolio that represents the character and ability of the student as it relates to their future career. ***Required

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 12

Physical Education & Health

47000010 Health

The essentials of health will be taught emphasizing individual responsibility for attaining wellness through preventative maintenance. Emotional and personal health, and the risk of drugs, alcohol, and tobacco will be emphasized. There is also a comprehensive seven-week sex education lesson. Sexually Transmitted Diseases, AIDS, HIV, and the reproductive organs are discussed.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

47010010A Personal Fitness A

Personal Fitness is designed for students who want to tone up, lose weight or just want to stay active. The class is based on the "5 Components of Fitness." Student will learn techniques and options in areas such as strength, speed, endurance and plyometrics that are crucial in muscular and cardiovascular health. The class is eventually centered on personal choice once the techniques and knowledge is mastered. Exercises can include weightlifting, step aerobics, jogging, exercise videos, etc. Students will also develop a personalized workout program which tracks body fat percentage, body measurements, heart rate and personal goals. (CAN BE A SEMESTER COURSE)

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

47010010B Personal Fitness B

Personal Fitness is designed for students who want to tone up, lose weight or just want to stay active. The class is based on the "5 Components of Fitness." Student will learn techniques and options in areas such as strength, speed, endurance and plyometrics that are crucial in muscular and cardiovascular health. The class is eventually centered on personal choice once the techniques and knowledge is mastered. Exercises can include weightlifting, step aerobics, jogging, exercise videos, etc. Students will also develop a personalized workout program which tracks body fat percentage, body measurements, heart rate and personal goals. (CAN BE A SEMESTER COURSE)

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

47015010A Weight Training A

Weight Training is designed to incorporate the ten principles of strength and conditioning. Students will learn terminology and then actively apply it. Each student is categorized based on their own situation as either a non-athlete, out of season athlete, or in season athlete. Students must dress and exercise each day of the semester.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

47015010B Weight Training B

Second semester Weight Training advances in techniques/principles from Weight Training A and incorporates goal setting, nutritional considerations, and increased intensity. During the fourth 9 weeks, students will design and implement their own strength, nutrition, and cardio program for the last six weeks. Students must dress and exercise each day of the semester.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

PREREQUISITE: Must have taken 47015010A - Weight Training A or 47015010B - Weight Training B or be recommended by a coach, subject to Mr. Stewart's approval.

47014000A Advanced Weight Training A

Advanced Weight Training is designed for the instruction and molding of tomorrow's elite athlete. The curriculum, instruction, and guidelines are similar to Weight Training. The intensity is and must be top priority.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

47014000B Advanced Weight Training B

Advanced Weight Training is designed for the instruction and molding of tomorrow's elite athlete. The curriculum, instruction, and guidelines are similar to Weight Training. The intensity is and must be top priority.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

47015210A Sports Training A

Sports training is a valuable resource for those interested in the prevention and treatment of sports injuries. The class covers professional development and responsibilities of athletic trainers, pathology of injuries, along with hands-on evaluation and treatment of different forms of trauma. The focus is on joint, muscle, ligament, and tendon strains and sprains, as well as how to evaluate nutrition, body fluid intake, and overall personal health.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

47000002A Physiology of Exercise and Nutrition A

This class is designed to offer students a chance to understand the different types of exercise and daily nutrition choices, which will impact their lives for years to come. We will explore and assess cultural lifestyle benefits and consequences in regards to what we eat and our daily activity levels. We will also research various issues regarding diseases associated with a negative lifestyle and explore various organizations designed to help educate the public. The wellness policy of the school will be reinforced, making students more knowledgeable and productive members of society.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 12

COREQUISITES: If you take this course, you must also take 47000002B - Physiology of Exercise and Nutrition B

47000002B Physiology of Exercise and Nutrition B

This class is designed to offer students a chance to understand the different types of exercise and daily nutrition choices, which will impact their lives for years to come. We will explore and assess cultural lifestyle benefits and consequences in regards to what we eat and our daily activity levels. We will also research various issues regarding diseases associated with a negative lifestyle and explore various organizations designed to help educate the public. The wellness policy of the school will be reinforced, making students more knowledgeable and productive members of society.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 12

COREQUISITES: If you take this course, you must also take 47000002A - Physiology of Exercise and Nutrition A

Science

46005010A Physical Science A

This course will introduce students to the essential concepts of the physical sciences, giving them the requisite knowledge to be successful in Chemistry and Physics. Chemistry concepts covered include: the study of atoms and matter, the periodic table, basic chemical reactions, and nuclear reactions. Physics concepts covered include: motion, Newtonian physics, heat and temperature, and electricity and magnetism. Students will also study the connections and applications between science, society, culture, history, math, and technology. This course is designed to satisfy the 9th grade science requirement.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9

46005010B Physical Science B

This course will introduce students to the essential concepts of the physical sciences, giving them the requisite knowledge to be successful in Chemistry and Physics. Chemistry concepts covered include: the study of atoms and matter, the periodic table, basic chemical reactions, and nuclear reactions. Physics concepts covered include: motion, Newtonian physics, heat and temperature, and electricity and magnetism. Students will also study the connections and applications between science, society, culture, history, math, and technology. This course is designed to satisfy the 9th grade science requirement.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9

PREREQUISITES: If you take this course, you must also take 46005010A - Physical Science A

46005214A Introduction to Engineering and Design A

Introduction to Engineering and Design is a course that is considered the first course in the sequence of classes that are created to expose the student to various concepts, processes, and fields in engineering. It is the first of two foundation courses that open the opportunity for students to take additional engineering experiences at the Jackson Area Career Center. It teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using current solid modeling computer design software. 9th grade students must achieve qualifying scores on the Explore test.

COURSE NOTE: Freshman students must be invited and have had Algebra and/or qualifying scores on the EXPLORE test.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

PREREQUISITE: Advanced Algebra concurrently

COREQUISITES: If you take this course, you must also take 45010010A - Advanced Algebra A

If you take this course, you must also take 45010010B - Advanced Algebra B

If you take this course, you must also take 46005214B - Introduction to Engineering and Design B

46005214B Introduction to Engineering and Design B

Introduction to Engineering and Design is a course that is considered the first course in the sequence of classes that are created to expose the student to various concepts, processes, and fields in engineering. It is the first of two foundation courses that open the opportunity for students to take additional engineering experiences at the Jackson Area Career Center. It teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using current solid modeling computer design software. 9th grade students must achieve qualifying scores on the Explore test.

COURSE NOTE: Freshman students must be invited and have had Algebra and/or qualifying scores on the EXPLORE test.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 46005214A - Introduction to Engineering and Design A

46015010A Biology A

This class is designed to prepare students for college biology and provide a basic understanding of biological science. This class is a prerequisite for all other science classes except Physical Science. This course will include an understanding of scientific processes and methods, microscopic analysis, biochemical organization, cellular anatomy and reproduction, basic genetics, basic ecological concepts and an introduction to botany/zoology. Laboratory investigations will be utilized when appropriate.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10

PREREQUISITE: 46005010A - Physical Science A or 46005010B - Physical Science B

COREQUISITES: If you take this course, you must also take 46015010B - Biology B

46015010B Biology B

This class is designed to prepare students for college biology and provide a basic understanding of biological science. This class is a prerequisite for all other science classes except Physical Science. This course will include an understanding of scientific processes and methods, microscopic analysis, biochemical organization, cellular anatomy and reproduction, basic genetics, basic ecological concepts and an introduction to botany/zoology. Laboratory investigations will be utilized when appropriate.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10

COREQUISITES: If you take this course, you must also take 46015010A - Biology A

46005020 Lab Science

Students will be introduced to scientific investigation by studying classic historical experiments. They will be expected to learn basic experimental design techniques and analysis procedure. This course will allow students to explore possible career and educational pathways in the sciences. Students will then apply the scientific method to experiments in biological, earth and physical science settings. Proper use of lab equipment, lab safety and lab writing technique will be emphasized. As a final project, students will be expected to design, carry out, and analyze an experiment of their own choosing and they will be expected to conduct peer reviews of classmates' work.

COURSE NOTE: Students must have had and passed Algebra.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10-12

46025010A Chemistry IA

Students will learn about the physical and chemical properties of the elements through the classroom and lab. Identification of the elements and simple compounds, properties of chemicals and chemical reactions and predicting the results of chemical processes will be studied. This is an excellent class for all college prep students and essential for those thinking about medical or science related fields. The ability to utilize simple algebra is expected of students in this class.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10-12

PREREQUISITE: 46015010A - Biology A or 46015010B - Biology B

COREQUISITES: If you take this course, you must also take 46025010B - Chemistry IB

46025010B Chemistry IB

Students will learn about the physical and chemical properties of the elements through the classroom and lab. Identification of the elements and simple compounds, properties of chemicals and chemical reactions and predicting the results of chemical processes will be studied. This is an excellent class for all college prep students and essential for those thinking about medical or science related fields. The ability to utilize simple algebra is expected of students in this class.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10-12

COREQUISITES: If you take this course, you must also take 46025010A - Chemistry IA

48018520A Principles of Engineering A

Principles of Engineering is a course that helps students understand the field of engineering and engineering technology. Exploring various engineering technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about the social and political consequences of technological change. Qualifying students may choose to substitute this course for their Physical Science requirement; however, they must complete both Chemistry and Physics to fulfill the graduation requirement.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10-12

PREREQUISITE: Advanced Algebra concurrently

COREQUISITES: If you take this course, you must also take 45010010A - Advanced Algebra A

If you take this course, you must also take 45010010B - Advanced Algebra B

If you take this course, you must also take 48018520B - Principles of Engineering B

48018520B Principles of Engineering B

Principles of Engineering is a course that helps students understand the field of engineering and engineering technology. Exploring various engineering technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about the social and political consequences of technological change. Qualifying students may choose to substitute this course for their Physical Science requirement; however, they must complete both Chemistry and Physics to fulfill the graduation requirement.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10-12

COREQUISITES: If you take this course, you must also take 48018520A - Principles of Engineering A

46030011A Chemistry Concepts A

Students will learn about the physical and chemical properties of the elements through the classroom and lab. Identification of the elements and simple compounds, properties of chemicals and chemical reactions and predicting the results of chemical processes will be studied. This is an excellent class for all college prep students and essential for those thinking about medical or science related fields. The ability to utilize simple algebra is expected of students in this class.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 46030011B - Chemistry Concepts B

46030011B Chemistry Concepts B

Students will learn about the physical and chemical properties of the elements through the classroom and lab. Identification of the elements and simple compounds, properties of chemicals and chemical reactions and predicting the results of chemical processes will be studied. This is an excellent class for all college prep students and essential for those thinking about medical or science related fields. The ability to utilize simple algebra is expected of students in this class.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 46030011A - Chemistry Concepts A

46052011 Environmental Science

This course will be a survey of the plant and animal Kingdoms, focusing on the flora and fauna of Michigan. The class is a single semester of which the first half will deal primarily with plants, and the second with animals. Course work will include lecture, lab and field components. Fieldwork will be employed whenever practical, and students are advised that they will be going outdoors in all kinds of weather. The identification skills gained in this course will be put to practical use in Field Ecology. The course will also include study of the various lakes, rivers, marshes, fens, fields and woodlands in our school district. Some activities may take place outside of the normal school day, including some weekends. Some of the activities planned include collecting, preserving, and classifying of plants and animals. Students will be expected to create a suitable research project, collect the data, and present the results in a scientifically appropriate manner.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

PREREQUISITE: 46015010A - Biology A or 46015010B - Biology B

46050010A Physics A

An excellent course for any student intending to pursue math or science in college or as a career. Topics covered in this class include Light and Sound, Work and Energy, Universal Gravitation and Motion. The class provides an improved understanding of our natural world with application of the laws of physics to the everyday phenomena we observe around us. ***(Chemistry and Algebra II are strongly recommended)

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

PREREQUISITE: 46015010A - Biology A or 46015010B - Biology B

COREQUISITES: If you take this course, you must also take 46050010B - Physics B

46050010B Physics B

An excellent course for any student intending to pursue math or science in college or as a career. Topics covered in this class include Light and Sound, Work and Energy, Universal Gravitation and Motion. The class provides an improved understanding of our natural world with application of the laws of physics to the everyday phenomena we observe around us. ***(Chemistry and Algebra II are strongly recommended)

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 46050010A - Physics A

46060011 Anatomy and Physiology

Students will study the structure and function of the various tissues, organs and systems of the Human body. The course will concentrate on terminology, identification and bio-chemical pathways of the human organism. This course will be of interest to those students considering a health-related career as well as anyone who has an interest in biology or anatomy in general. Although many of the anatomical explorations will be via video and pictures, some dissection should be expected.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

PREREQUISITE: 46015010A - Biology A or 46015010B - Biology B

46060012 Microbiology

This class will explore the various topics of microbiology, including histology, bacteriology, mycology, virology and immunology. Lectures and laboratory components will be included. Microbiological tools and techniques will be examined and utilized when available and appropriate. Bacterial growth, chemical inhibitions, anti-biotic suppression will be some of many of the concepts that the students will explore in the lab. Lab safety and appropriate procedures will be a priority.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

PREREQUISITE: 46015010A - Biology A **or** 46015010B - Biology B

46030010A Chemistry II A

Students will continue the study of the physical and chemical properties of the elements. This class will emphasize the mathematics of chemical procedures and will require strong math skills. Thermodynamics, chemical equilibriums, acid/base reactions, nuclear and organic chemistry will be presented.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 12

PREREQUISITE: 46025010A - Chemistry I A **or** 46025010B - Chemistry I B

COREQUISITES: If you take this course, you must also take 46030010B - Chemistry II B

46030010B Chemistry II B

Students will continue the study of the physical and chemical properties of the elements. This class will emphasize the mathematics of chemical procedures and will require strong math skills. Thermodynamics, chemical equilibriums, acid/base reactions, nuclear and organic chemistry will be presented.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 12

COREQUISITES: If you take this course, you must also take 46030010A - Chemistry II A

Social Studies

42005010A Later American Studies (LAS) A

This class is designed to offer a chronological history of the U.S. Eras in United States history that will be covered include the Emergence of Modern America, the Great Depression and World War II, Post-War United States, and Contemporary United States. Events will be studied based on their historical, geographical, civic, and economic perspectives. Students will also use critical thinking to question public policy and decision-making. First semester will begin with Progressives and culminate with World War II. Second semester will begin with the Cold War and end with recent history. During either first or second semester an oral interview paper or presentation will be a minimum course requirement.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9

COREQUISITES: If you take this course, you must also take 42005010B - Later American Studies (LAS) B

42005010B Later American Studies (LAS) B

This class is designed to offer a chronological history of the U.S. Eras in United States history that will be covered include the Emergence of Modern America, the Great Depression and World War II, Post-War United States, and Contemporary United States. Events will be studied based on their historical, geographical, civic, and economic perspectives. Students will also use critical thinking to question public policy and decision-making. First semester will begin with Progressives and culminate with World War II. Second semester will begin with the Cold War and end with recent history. During either first or second semester an oral interview paper or presentation will be a minimum course requirement.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9

COREQUISITES: If you take this course, you must also take 42005010A - Later American Studies (LAS) A

42055001 Michigan History

Michigan History will revolve around what makes Michigan great, with special interest concerning its challenges over the years and today. The course will travel back to its founding, its growth as an industrial center and its evolution as it changes in the 21st century. Come and enjoy Pure Michigan.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

42000010A World Studies (WS) A

The lessons of history are as important to us today as they were to the Romans, Greeks, Chinese, Mongols, British, Babylonians and other major civilizations of all eras. Their successes and failures open a window into our own lives and decisions of our leaders. While the emphasis will be on history, geography will command its own prominence, especially when it comes to interaction with neighboring lands. Comprehension, analysis of decisions, comparison, and evolution of ideas in the areas of culture, religion, arts, conflict, and other areas will challenge the students of World Studies. During first or second semester, students will have a minimum course requirement of a research paper.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10-11

COREQUISITES: If you take this course, you must also take 42000010B - World Studies (WS) B

42000010B World Studies (WS) B

The lessons of history are as important to us today as they were to the Romans, Greeks, Chinese, Mongols, British, Babylonians and other major civilizations of all eras. Their successes and failures open a window into our own lives and decisions of our leaders. While the emphasis will be on history, geography will command its own prominence, especially when it comes to interaction with neighboring lands. Comprehension, analysis of decisions, comparison, and evolution of ideas in the areas of culture, religion, arts, conflict, and other areas will challenge the students of World Studies. During first or second semester, students will have a minimum course requirement of a research paper.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10-11

COREQUISITES: If you take this course, you must also take 42000010A - World Studies (WS) A

42000015 Pop Culture in the 20th Century and Beyond

Does art imitate life or life imitate art? We will discover the possible answer to this question in our study of people from the flappers to the Disney Princesses, the Beatles to the hip shaker Elvis, and the Me Decade to Alex P. Keaton. Who are these people and why would anyone wear parachute pants will be answered in Pop Culture in the 20th Century and Beyond.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 10-12

PREREQUISITE: 42005010A - Later American Studies (LAS) A **or** 42005010B - Later American Studies (LAS) B **or** 42005010C - Later American Studies (LAS) C

41035013 Government

The function of the Government class is to assist students in becoming more knowledgeable participants in the US political-economic system and world economy. In government we will emphasize the theoretical concepts of the Declaration of Independence, our civil rights guarantees and the structure and function of the U.S. government.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

41035014 Economics

In economics the class emphasis will be on the basic economic dilemma, economic systems and market forces, and international trade. This also includes a comparison of the US economic and political structure with those around the world. Additional time is spent looking at business organizations, the stock market, investing, and consumer economic issues.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

42011010A Major Wars A

Major Wars is the study of how wars from the beginning of time have affected our lives and those of the people living during that war, positively and negatively. Major Wars will progress through influential wars, focusing on the causes, effects, battle techniques and the inter-relatedness of the wars. In order to obtain a better understanding of the various wars, the culture and events of that time period will also be studied. In addition, reactions to alternative foreign policy and results will be evaluated. Ancient civilizations along with Greece and Rome will be the focus of the first semester. Second semester will focus more on present day warfare meaning World War I and II from a European perspective. No United States history will be directly taught either semester.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 42011010B - Major Wars B

42011010B Major Wars B

Major Wars is the study of how wars from the beginning of time have affected our lives and those of the people living during that war, positively and negatively. Major Wars will progress through influential wars, focusing on the causes, effects, battle techniques and the inter-relatedness of the wars. In order to obtain a better understanding of the various wars, the culture and events of that time period will also be studied. In addition, reactions to alternative foreign policy and results will be evaluated. Ancient civilizations along with Greece and Rome will be the focus of the first semester. Second semester will focus more on present day warfare meaning World War I and II from a European perspective. No United States history will be directly taught either semester.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 42011010A - Major Wars A

42030011A Psychology IA

Students will study psychology to gain a better understanding of human behavior by discussing growth and development and the human brain. Students will analyze their own personality development by applying the theories of personality. They will have an understanding of personality disorders and inherited abilities by identify the roles of specific regions of the brain.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 42030011B - Psychology IB

42030011B Psychology IB

Students will study psychology to gain a better understanding of human behavior by discussing growth and development and the human brain. Students will analyze their own personality development by applying the theories of personality. They will have an understanding of personality disorders and inherited abilities by identify the roles of specific regions of the brain.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 42030011A - Psychology IA

42030200 Advanced Psychology

Students will obtain an in-depth understanding of mental illness through research and biographical information. Symptoms, causes, and treatment will be discussed. The theoretical background of psychology will be studied along with personal background analysis. In addition, students will explore careers in the field of psychology through research, guest speakers, and hands-on labs.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

PREREQUISITE: 42030011A - Psychology IA **or** 42030011B - Psychology IB

42035010 Sociology

Sociology is the scientific study of people in groups. Students will learn to think like sociologists, which enable them to view their own lives within a larger social context. Studies will include different cultural values throughout the U.S. and various subculture groups helping students to recognize the diversity of society.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

42050001 Child Development

Students will explore all levels of child development beginning with pre-natal care through adolescence. An analysis of the societal impact on children will be made through research and hands-on labs. Students will be expected to have contact with children outside of the classroom setting.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

Vocational

48030010 Cosmetology 1

Apply Sophomore year, must attend screening. Styling, cuts, color, and manicures are all part of the Career Center cosmetology program. Students study body structure and science while learning the latest salon techniques. This program offers complete training and hands-on experience to take the Michigan Cosmetology licensing exam.

CREDIT: 0.5 TYPE: Regular GRADE: 11

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

48000000 Agriscience

Learn the basic concepts of growing plants and caring for animals. Students study plant growing techniques and identification while learning animal care, breeding, forestry, biotechnology, water testing, and conservation. Second- year students can specialize in landscape design, greenhouse management, or pre-veterinarian skills.

CREDIT: 0.5 TYPE: Regular GRADE: 11-12

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

48005010 Construction

From rough carpentry-framing floors and walls, siding, roofing, and masonry- to installing plumbing and electrical systems, it's all part of the foundational skills students learn here. Successful students will get the chance to work on the Career Center's latest site-house.

CREDIT: 0.5 TYPE: Regular GRADE: 11-12

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

48005020 Engineering/PLTW

This class prepares college bound student by immersing them in rigorous engineering problems. Successful students are academically strong, possess strong math skill, have problem-solving skills, and are self motivated.

CREDIT: 0.5 TYPE: Regular GRADE: 11-12

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

48012500 Computer Information Technology - Programming

Game Development (Programming)students learn basic design and general business concepts while developing games and applications for mobile devices such as iPads, iPods, smart phones, etc. Students also learn essential programming languages including C#, C++, LUA, JavaScript, etc.

CREDIT: 0.5 TYPE: Regular GRADE: 11-12

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

48012510 Computer Information Technology - Service Tech

Systems Technician (CompTIATechnician Academy):Mastery of PC components, functionality, compatibility, troubleshooting and project management skills. **CREDIT: 0.5 TYPE: Regular GRADE: 11-12**

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

48012514 Business Administration, Management & Operations

No description available

CREDIT: 0.5 TYPE: Regular GRADE: 11-12

48019011 Teacher Education

In addition to preparing students for classroom teaching, this class provides actual experience working in the Career Center's on-campus pre-school lab. Many careers involve working with children and this is a great place to explore those careers. All students will gain skills in First-Aid and CPR.

CREDIT: 0.5 TYPE: Regular GRADE: 11-12

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

48032510 Sciences - Dental Occupations

This class will focus on specialized training to aid the dentist during examinations and dental procedures. Students in this class will explore the dental field, including: dentistry, dental hygiene, and dental lab technician.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

48033523 Health Sciences - Healthcare Technician I

This class teaches foundational skills that include medical terminology, CPR, first aid, anatomy, physiology, vital signs, ethics, and occupational health care safety standards. Students rotate through three focused sections of healthcare: foundations, biomedical, and certified nursing assistant.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

48035010 Culinary Arts

Learn to prepare food in restaurants, and other institutions- from purchasing to cooking. Students can practice presentation skills and customer service in the Career Center's Changing Scenes restaurant. Students have the opportunity to pass the ServSafe credential.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

48040010 Welding

Technical skills in welding and fabrication are taught in this class. The most common welding and cutting techniques are studied. Student learn about metals, metalworking tools, blueprint reading, welding symbols, and numeric control processes.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

48047510 Precision Machining/CAM

Learn to design and produce all types of products using the latest CNC technology. This class works seamlessly with Engineering and Welding to simulate a production facility and get students real world skills. Creative thinking, problem solving, and math are all part of this program.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

48055010 Sales and Marketing

This class will equip students with the basics to develop a business plan, understand customer service, and explore the many ways to grow a business through advertising, public relations and marketing. The class operates a retail store and participates in DECA, a national club for marketing students.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

48060010 Law Enforcement

Students explore many aspects of criminal justice, including law enforcement, corrections, security, dispatching, fingerprinting, and reporting. Physical fitness and body strength are important elements of this class.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

48060110 Firefighting/EMS

The essential skills for firefighting-including fire behavior, protective equipment, ropes, ventilation, and first responder techniques-help students prepare for Firefighting I & II and EMT training, The skills learned here cross into many career choices.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

48060210 Army JROTC Basic

This class focuses on growing the individual student, including character development, leadership, citizenship, and physical fitness. Academics include studying American history, government, geography, and military history. Cadets who join the Golden Knight Battalion have the opportunity to explore military careers without making a military obligation.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

48070010 Auto Body

Learn the basics of collision repair, refinishing, and painting techniques to bring a car body back to life and make it shine.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

48072510 Automotive Technology I

Completing this class will prepare students for entry-level automotive technician jobs with basic information of today's cars. Several automotive certifications are available.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

48080010 Visual Communications

Students in this class rotate through three creative classes. • Design • Digital Media • Print Technology The curriculum includes illustration, typography, layout and design as well as electronic prep. Students learn to prepare pieces for production printing, including finishing, quality control and customer service.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

48090010 JACC Lab

No description available

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

48094511 Custodial Services

This class prepares students for the entry-level positions in building maintenance, hotels, hospital, restaurants, and other service industries. Industry skills in commercial cleaning and laundry are covered as well as safety techniques.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

48095010 JACC Employable

No description available

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 11-12

48030011 Cosmetology 2

Styling, cuts, color, and manicures are all part of the Career Center cosmetology program. Students study body structure and science while learning the latest salon techniques. This program offers complete training and hands-on experience to take the Michigan Cosmetology licensing exam. Second year students work in the Career Center Salon.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 12

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

48033524 Health Sciences - Healthcare Technician II

Healthcare Tech II (class covers Phlebotomy/EKG and/or Body Structure & Function/Medical Terminology) Second- year students develop skills in phlebotomy, EKG, body structure and function, and medical terminology. These skills provide an edge on the competition for students hoping to continue their education in the medical field.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 12

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

AUTO2 Automotive Technology 2

Second year students gain more in depth information on automotive repair and advance their skills.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 12

COREQUISITES: If you take this course, you must also take 48095010 - JACC Employable

If you take this course, you must also take 48090010 - JACC Lab

World Languages

40020010A Spanish 1A

Students will learn a wide variety of vocabulary, expressions and sentence structure in present and future tenses through Total Physical Response Storytelling. Students will actively participate in language acquisition by learning vocabulary through gestures. Then they will listen to, act out and read stories in Spanish. Students will be able to read, write, listen and speak in Spanish and present what they have mastered in quarterly projects and skits. Students will be evaluated on their ability to read, write, listen and speak in Spanish. Latin American and Spanish culture will be experienced through music, art, and video clips. An opportunity to go on a field trip may be provided. Technology will be used for instruction and students will be expected to use it for some presentations.

*Note: Due to the nature of TPRS, it is not recommended that students begin part way through a school year, but rather at the beginning of the 1st semester. (Elective)

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 40020010B - Spanish 1B

40020010B Spanish 1 B

Students will learn a wide variety of vocabulary, expressions and sentence structure in present and future tenses through Total Physical Response Storytelling. Students will actively participate in language acquisition by learning vocabulary through gestures. Then they will listen to, act out and read stories in Spanish. Students will be able to read, write, listen and speak in Spanish and present what they have mastered in quarterly projects and skits. Students will be evaluated on their ability to read, write, listen and speak in Spanish. Latin American and Spanish culture will be experienced through music, art, and video clips. An opportunity to go on a field trip may be provided. Technology will be used for instruction and students will be expected to use it for some presentations.

*Note: Due to the nature of TPRS, it is not recommended that students begin part way through a school year, but rather at the beginning of the 1st semester. (Elective)

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 40020010A - Spanish 1A

40025010A Spanish 2A

Students will continue to learn a wide variety of vocabulary, expressions, and sentence structure in various tenses. Students will actively participate in language acquisition through role play. They will be able to more fluently listen to, speak, read, and write in Spanish as they master more concepts and vocabulary. Students will be evaluated on their abilities in each of these areas. Latin American and Spanish culture will be experienced through various media. An opportunity to go on a field trip or have an authentic language experience may be provided. Classes will increasingly be taught and directed in Spanish. Technology will be used for instruction, and students will be expected to use it for some presentations.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

PREREQUISITE: 40020010A - Spanish 1A **and** 40020010B - Spanish 1B

COREQUISITES: If you take this course, you must also take 40025010B - Spanish 2B

40025010B Spanish 2B

Students will continue to learn a wide variety of vocabulary, expressions, and sentence structure in various tenses. Students will actively participate in language acquisition through role play. They will be able to more fluently listen to, speak, read, and write in Spanish as they master more concepts and vocabulary. Students will be evaluated on their abilities in each of these areas. Latin American and Spanish culture will be experienced through various media. An opportunity to go on a field trip or have an authentic language experience may be provided. Classes will increasingly be taught and directed in Spanish. Technology will be used for instruction, and students will be expected to use it for some presentations. The goal for student proficiency at the end of this semester is to be able to converse in basic Spanish about the past, the present, and the future in a number of authentic settings, and to use this ability as a foundation for further language study.

CREDIT: 0.5 **TYPE:** Regular **GRADE:** 9-12

COREQUISITES: If you take this course, you must also take 40025010A - Spanish 2A