

PROGRAM OF STUDY

Imlay City High School

"Home of the Spartans"

2011/2012

MISSION STATEMENT

The Imlay City High School community will work together to foster a dynamic learning environment which empowers all students to develop academic excellence along with the problem solving and social skills necessary to become productive, creative and responsible members of society.

INTRODUCTION

February, 2011

Dear Students,

This Program of Study booklet has been developed to help you and your parents successfully plan your course of study at Imlay City High School. With your parents, examine the course offerings in the booklet and select courses based upon graduation requirements, ability, interest, and career goals. Course descriptions, prerequisites, and sequence of classes are included to give you an overview of the curriculum for the 2011-2012 school year.

It is extremely important that you think carefully about the courses that you select. Courses in certain areas are related to each other and increase in complexity from year to year. Therefore, the courses that you take in ninth grade will have a significant impact on the courses that you take in twelfth grade, and for that matter, even in college. At times, it may be tempting to avoid some of the "harder" courses, but you will find it easier to push yourself at the beginning of high school rather than trying to make up deficiencies later.

If you are planning to attend college – a decision that we highly recommend – your chance for admission to and success in particular programs will improve if you have a strong educational background. Select courses that will enhance your college and career choices following graduation. If you are not planning to attend college, we strongly recommend that you consider attending at least two years of post high school education. Experts agree that two years of education beyond high school is a must for every person who hopes to earn a higher wage in today's market.

We hope that you find your educational experiences at ICHS challenging and rewarding!

Sincerely,

Stuart Cameron
Principal

DEPARTMENT CHAIRPERSONS/REPRESENTATIVES		
Art	..... Greg Irwin	Ext. 9827
Band	..... Scott Pries	Ext. 9839
Computers/Technology	..... Florence Gyomory	Ext. 9826
English	..... Jennifer Kraly	Ext. 9830
Foreign Language (French)	..... Jennifer Kraly	Ext. 9830
Foreign Language (Spanish)	..... Kara Mueller	Ext. 9836
Mathematics	..... Stephanie Cruciano	Ext. 9818
Physical Education	..... Cheryl Beebe	Ext. 9804
Science	..... Tom DeClark	Ext. 9819
Social Studies	..... Mike Demas	Ext. 9820
Special Education	..... Kim Cruppenink	Ext. 9802
Stuart Cameron Principal – Ext. 9856		
Patrick Brown Assistant Principal – Ext. 9815		
Donald Gauthier Director of Athletics – Ext. 9851		

IMLAY CITY HIGH SCHOOL COURSE OFFERINGS 2011/2012

ENGLISH

4101 English 9
4102 English 10
4103 English 11
4104 English 12
4153 Drama
4155 Yearbook Pub.
4156 Humanities

MATH

4206 Algebra I
4208 Geometry
4210 Algebra II
4211 Intro to Algebra II
4214 Pre-Calc & Trig
4215 Personal Finance
4213 AP Calculus

INDUSTRIAL ARTS

4903 Drafting I
4904 Drafting II

SCIENCE

4302 Science 9
4306 Biology I
4307 Biology II
4308 Chemistry I
4309 AP Chemistry
4311 Conceptual Physics
4310 Physics

SOCIAL STUDIES

4450 Wld History/Geography
4402 US History/Geography
4403 Senior Social Studies
4405 Sociology
4406 Psychology

FOREIGN LANGUAGE

4121 Spanish I
4122 Spanish II
4123 Spanish III
4124 Spanish IV
4131 French I
4132 French II
4133 French III
4134 French IV

ART

4550 Art I
4551 Art II
4552 Art III
4553 Art IV

MUSIC

4603 Concert Band
4604 Wind Ensemble

PHYSICAL EDUCATION

4701 PE/Health
4702 PE II

COMPUTERS

4853 Comp. App. & Design
4860 Technology Lab

Grading System

100-96%	A	4.000
95-92%	A-	3.666
91-89%	B+	3.333
88-85%	B	3.000
84-82%	B-	2.666
81-79%	C+	2.333
78-75%	C	2.000
74-72%	C-	1.666
71-69%	D+	1.333
68-65%	D	1.000
64-60%	D-	0.666
59-0%	F	0.000
Credit	P	Not computed into G.P.A

Counselors:

Laura Druker – A – L
(810) 724-9810, ext. 9821
Patrick Bills – M – Z
(810) 724-9810, ext. 9807

ED-TECH COURSES

VAS1/VAS2 Agriscience – Animal
Science/Horticulture
VAM1/VAM2 Auto Mechanics
VCD1/VCD2 CAD
VAB1/VAB2 Collision Repair
VCN1/VCN2 Computer Networking/Internet
VBT1/VBT2 Construction Technology
VCO1/VCO2 Cosmetology
VCA1/VCA2 Culinary Arts
VDT1/VDT2 Diesel Technology
VEC1/VEC2 Early Childhood
VEL1/VEL2 Electronics
VHO1/VHO2 Health Occupations
VHO4 Health Occupations-Advanced
VDM1/VDM2 Digital Media
VPE1 Pre-Engineering Program
VPS1/VPS2 Public Safety
VMC1/VMC2 Res. Elec., Plumb., & HVAC
VRV1/VRV2 RVR
VSM1/VSM2 Sales & Marketing
VME1 Med. Careers Acceleration Prog.
VMT1/VMT2 Welding & Machining Tech.

ART

ART I (4550) - VPA**Grades 9, 10, 11, 12****1 Credit****Prerequisites:** None**1 Year Long**

In this introductory class, students will explore two and three-dimensional media in art. Basic techniques, elements and principles of design, color theory and a variety of media will be explored. Students will be introduced to art criticism, aesthetics and art history as well as the terms and tools associated with the art field. Media will include watercolor, pen and ink, clay sculpture, pencil rendering, tempera painting, scratchboard, etc. The art history segment will cover major art movements from prehistoric to modern.

Assessments: Assessment will be based on the quality of work produced and the improvement of an individual's technique. Composition and effort, as well as knowledge of terms, tools and history, will also be assessed. Students are expected to utilize the techniques and concepts learned in order to demonstrate improvement. Use of the artistic language is also expected.

ART II (4551) - VPA**Grades 10, 11, 12****1 Credit****Prerequisites:** Art I**1 Year Long**

Art II picks up where Art I leaves off, exploring new terms, tools and techniques. Students will use the knowledge and skills gained in Art I while exploring new expressive media, creating unique artistic projects and studying art history. More emphasis will be placed on the student's individual style of development and his/her overall improvement. Media will include watercolor, pen and ink, clay sculpture, pencil rendering, tempera painting, scratchboard, etc. The art history segment will cover major art movements from prehistoric to modern. Art history will be more in depth at this level and students will be expected to learn more about artists, styles and masterworks.

Assessments: Assessment will be based on the quality of work produced, use of art principles and compositional elements and effort. Knowledge of art tools, terminology and art history will be assessed as well.

ART III (4552) - VPA**Grades 11, 12****1 Credit****Prerequisites:** Art II**1 Year Long**

This course is less teacher-directed and students should be highly self-motivated. Less stringent direction allows for more individual style and creativity. Utilization of knowledge and skills learned in Art I and Art II will be stressed while students complete work geared toward portfolios for college admission. This class is designed for students wishing to explore new mediums. Media will include all from Art I and Art II plus introduction to acrylic painting, glass etching, stained glass, etc.

Assessments: Assessment will be based on the quality of work produced, improvement of techniques, use of art principles and elements of design. Overall composition and effort, as well as a working knowledge of terms, tools and art history, will also be evaluated. Portfolios will be evaluated at the end of the course. At this level, students are expected to be gaining an impressive body of art for possible inclusion in their portfolios.

ART IV (4553) - VPA**Grade: 12****1 Credit****Prerequisites:** Art III**1 Year Long**

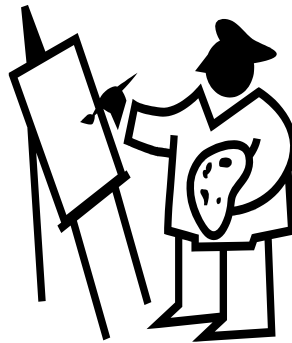
Art IV students will apply skills and knowledge gained from previous classes to build a body of work suitable for a portfolio. Portfolios will be used for possible scholarships and admission to college. Understanding of the art language, tools and techniques is expected, as well as knowledge of the style and techniques used by many great artists. Due to the emphasis on style and technique development, it is expected that students will produce high quality work. This course is geared toward the serious art student. Media will include all from Art I and II plus an introduction to acrylic painting, glass etching, stained glass, etc.

Assessments: Assessment will be based on the quality of work produced, improvement of techniques, use of art principles and elements of design. Overall composition and effort, as well as a working knowledge of terms, tools and art history, will also be evaluated. Portfolios will be evaluated at the end of the course.

STUDIO ART (4554) - VPA**Grade: 12****1 Credit****Prerequisites:** Art Teacher Recommendation**1 Year Long**

Studio Art students will use the class time perfecting and creating a portfolio for college admission and scholarships. Students at this level are less teacher directed but will apply skills and knowledge gained from previous classes. Only work for possible portfolio admission will be accepted, and as such, only students serious about an art career should consider this class. A high degree of skill is expected as well as an extensive use of artistic language. Research in possible career fields is also required.

Assessments: Assessment will be based solely on the completed portfolio, i.e., varied media, presentation, and overall quality of pieces presented.



COMPUTERS/TECHNOLOGY

COMP. APPLICATIONS & DESIGN (4853) – VPA Grades: 9, 10, 11, 12

1 Credit

Prerequisites: None

1 Year Long

This class will emphasize the construction and integration of applications involving the word processor, the database, the spreadsheet, and the slide show. Students will also be introduced to Visual Basic, a powerful programming language. The software used includes Word, Excel, Access, and PowerPoint. This class is highly recommended if a student plans to take Technology Lab.

Students enter a wide variety of skill levels and the objective is to take each of them to a higher skill level with challenging “real world” projects. Students will learn front end solutions to business applications and combining tasks to solve problems.

This course will hit all prerequisite areas required in the Technology Lab, including templates, wizards, and related computer design techniques. Some valuable tools that will be taught are math, logic, and problem solving, as well as the integration of applications to complete a task. This course is designed for students interested in having computer skills they can apply to college and professional work experiences. We cover a unit on career exploration using the careercruising.com web site under the direction of the Guidance Department.

The room is equipped with Internet access, a scanner, digital camera, and a large screen projection system. Internet will be part of our daily routine. When assigned, students will post their work on Moodle, an on-line student website.

First Semester-----Keyboarding, Microsoft Word, Begin Excel, Career Exploration, Visual Basic, Special Projects

Second Semester-----Finish Excel, Access, PowerPoint, Special Projects

Assessments: Students will earn points or credit by completing study guides, quizzes, tests, and projects. Authentic assessments will weigh heavily.

TECHNOLOGY LAB (4860) - VPA

Grades: 10, 11, 12

1 Credit

Prerequisites: Comp. App. & Design recommended

1 Year Long

This course is designed to expand and extend some basic high school level skills into the world of technology. Learning modules are designed to allow students to gain expertise in specific niches of technology through hands on applications. Students will be exposed to all learning modules but may elect to focus on specific modules that are suited for their future employment or area of future study. Programming in HTML, as well as developing macros and projects with FrontPage, GIMP, Audio and Video Applications, and Microsoft Office will also be stressed. The integration of programming, software and devices, such as scanners, digital cameras, CD burners, and digital video editing cards will be explored in great detail. Problem solving techniques for developing web sites and programming the feedback pages and frames will be discussed. Problem solving and links with Visual Basic, database, and the web will also be covered. Students will be responsible for using equipment to produce special video projects. **It is highly recommended that a student take Computer Applications & Design before taking this class.**

Assessments: Students will be evaluated based on study guides, quizzes, tests and projects. Also weighing heavily into their grade will be authentic assessments.



DRAFTING

DRAFTING I (TECHNICAL DRAFTING) (4903) - VPA Grades: 9, 10, 11, 12

1 Credit

Prerequisites: None

1 Year Long

Students will be exposed to the role of a draftsman by learning the techniques and terminology needed to develop skills for a career in the field of drafting. This course will afford students opportunities to master lettering, measuring, scaling, line weight quality, orthographic projection, multi-view drawings, oblique drawings, auxiliary views, section views, fasteners and dimensions. Drafting boards and other traditional tools will be used in Drafting I.

Assessments: In order to measure students' understanding of the various aspects of basic drafting, assessments will include daily worksheets, quizzes, and tests.

DRAFTING II (4904) - VPA

Grades: 10, 11, 12

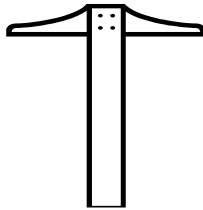
1 Credit

Prerequisites: Must pass Drafting I

1 Year Long

As a second year course, Computer Aided Drafting (CAD) will be introduced. Students will also have hands on experiences using the Bentley Microstation software program. With its emphasis on computer skills, students will learn how to utilize the CAD software to create basic designs, including orthographic projection, multi-view drawings, oblique drawings, auxiliary views, section views, fasteners, and dimensions.

Assessments: Student progress will be monitored through daily worksheets and tests, both written and hands on.



ENGLISH

ENGLISH 9 (4101) **Grade: 9** **1 Credit**
Prerequisite: None **Required:** Yes **1 Year Long**

In this two semester course, students will be introduced to the various genre of classic and contemporary narrative and informational texts that will be read and analyzed throughout high school. Ninth graders will connect with and respond to texts by analyzing relationships within and across families, communities, societies, governments, and economies. Through the lens of Inter-Relationships and Self Reliance, they will consider how they build relationships, how their relationships impact others, and their responsibility to society. Units of study may include, but are not limited to: Introduction to High School Reading (Short Stories and Non Fiction), Introduction to High School Writing (The Six Traits of Good Writing), Contemporary Realistic Fiction (To Kill A Mockingbird), Epic Poetry (The Odyssey), Shakespearean Tragedy/Drama (Romeo and Juliet).

Assessments: Homework, writing projects, presentations, tests/quizzes, participation, effort, and quality of work are the basis for determining student success.

ENGLISH 10 (4102) **Grade: 10** **1 Credit**
Prerequisite: None **Required:** Yes **1 Year Long**

In this two semester course, students will continue to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, tests, and tasks. Tenth graders will connect with and respond to texts through critical response and stance. They will learn to evaluate for validity and quality, to balance and expand their perspectives promoting empathy, social action and appropriate use of power. Units of study may include but are not limited to: The Crucible, A Raisin in the Sun, The Adventures of Huckleberry Finn, and Of Mice and Men.

Assessments: Tests, quizzes, presentations, essays, daily work, and projects are all assessments. Participation is expected and may be involved in the assessment.

ENGLISH 11 (4103) **Grade: 11** **1 Credit**
Prerequisites: None **Required:** Yes **1 Year Long**

In this two semester course, students will continue to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, tests, and tasks. Eleventh graders will continue to add to their list of various genre of classic and contemporary narrative and informational texts that will be read and analyzed throughout high school with a special emphasis on British and World Literature and ACT success. Eleventh graders will connect with and respond to texts through transformational thinking. They will learn to use forward thinking to help them make better decisions, to generate new ideas for solving problems, and to find wisdom. They will build a context for change in their lives and develop realistic plans for their future. Units of study may include but are not limited to: Lord of the Flies, Othello, Frankenstein, The Bean Trees, and Oedipus the King/Antigone.

Assessments: Tests, quizzes, essays, presentations, daily work, and projects are all forms of assessments. Participation is expected and may be involved in assessment.

6 + 1 Analytical Model for Writing

- **1. IDEAS** – The ideas are the heart of the message, the content of the piece, the main theme, together with all the details that enrich and develop that theme.
- **2. ORGANIZATION** – Organization is the internal structure of a piece of writing, the thread of central meaning, the pattern, so long as it fits the central idea well.
- **3. VOICE** – The voice is the writer coming through the words, the sense that a real person is speaking to us and cares about the message.
- **4. WORD CHOICE** – Word choice is the use of rich, colorful, precise language that communicates not just in a functional way, but in a way that moves and enlightens the reader.
- **5. SENTENCE FLUENCY** – Sentence fluency is the rhythm and flow of the language, the sound of word patterns, the way in which the writing plays to the ear – not just to the eye.
- **6. CONVENTIONS** – Conventions are the mechanical correctness of the piece – spelling, grammar and usage, paragraphing (indenting at the appropriate spots), use of capitals and punctuation.
- **+1 – PRESENTATION** – Presentation is the way we exhibit our message on paper.

ENGLISH 12 (4104)**Grade: 12****1 Credit****Prerequisites:** None**Required:** Yes**1 Year Long**

In this two semester course, students will refine, apply, and extend the knowledge skills and strategies developed in English 9 – 11 as students engage in more complex ideas, texts, and tasks. Using the lens of leadership skills, English 12 students will develop a world perspective by analyzing classic and contemporary texts in a variety of genre, including post-colonial literature. Twelfth graders will synthesize information, ideas, and themes to understand the past, the present, and to think innovatively about the future. They will identify and apply their own leadership skills and prepare for responsible action as American citizens in the context of a global world. Units of study include but are not limited to: Night, Their Eyes Were Watching God, Things Fall Apart, The Great Gatsby, 1984 and Animal Farm.

Assessments: Tests, quizzes, essays, daily work, and projects, are all forms of assessments. Participation is expected and may be involved in assessment.

DRAMA (4153) - VPA**Grade: 10, 11, 12****1 Credit****Prerequisites:** None**1 Year Long**

As a yearlong course, drama provides students with the opportunity to gain practical formal and informal public speaking experience as well as hands-on stage production. Designed for creative, serious, self-directed students who will work independently and collaboratively and who take **criticism** and **direction well**, this course emphasizes reading, writing, acting, speaking techniques, stage direction, video and stage production, and other skills related to the performing arts. Each semester will include several opportunities for speaking experience and may culminate in a public performance.

Assessments: Credit is earned through the completion of assignments and exercises, performances and participation, various fundraising activities, and meeting established deadlines. Day and evening participation is expected, particularly for dress rehearsals and play production.

YEARBOOK PUBLICATION (4155) - VPA**Grade: 10, 11, 12****1 Credit****Prerequisites:** Teacher Approval**1 Year Long**

The production and publication of the school's yearbook is the responsibility of the students in this course. It is designed for students who take responsibility for themselves and their work, are willing to complete assignments outside of class/after school, and are independent workers. Using an online program, they will learn about layout design, photography, and copy writing through hands-on activities. These enthusiastic students will learn about fiscal responsibility by determining how to fund the yearbook project. Excellent organizational skills are necessary and will be enhanced through the application of deadlines and sale campaigns. Due to the collaborative nature of this course and the necessity of a strong work ethic, only students who are **recommended** will be accepted.

Assessments: Meeting deadlines, selling yearbooks, soliciting advertising, and various other **fundraising activities are imported into the grading criteria**. Daily assignments, quizzes, tests, photography, copy writing, and layout design are also part of the assessment.

HUMANITIES (4156)**Grade: 11, 12****1 Credit****Prerequisites:** None**1 Year Long**

Humanities is an elective course through which juniors and seniors may earn English credit. Through the study of humanities, students will increase their knowledge, understanding, and appreciation of past people's lives and civilizations. The areas specifically addressed in the different cultures are the arts (theatre, art, music, dance) and architecture. In addition, writing will be stressed. This course offers students the opportunity to increase their higher level thinking skills and create a framework of reference for understanding and discussing events, people and culture, both past and present.

Assessments: Students will demonstrate their growing appreciation of differences between and among civilizations and their arts through research, daily assignments, quizzes, speeches, essays, a research paper project and the creation of various cultural writings.

FOREIGN LANGUAGE

Each year, more and more colleges, including the University of Michigan and Grand Valley State University, are **requiring** a foreign language experience in high school. Many other colleges highly recommend a foreign language experience. A foreign language class helps prepare students for college by improving their study skills, enriching their vocabularies, teaching them the importance of diversity, and may offer them the ability to test out of foreign language requirements at the college level and learn a language they may use in their career/future. For these reasons, we strongly advise college-bound students to enroll in a foreign language class.

SPANISH I (4121) **Grade: 9, 10, 11, 12** **1 Credit**
Prerequisites: None **1 Year Long**

As a first year course, Spanish I will give students the opportunity to learn basic vocabulary and sentence structure as well as gain exposure to the unique cultural elements found in Spanish speaking countries. Students will learn proper number and vocabulary usage along with common greetings and appropriate responses. The present tense will be taught in conjunction with basic grammar. Students will visit Spanish language websites relevant to the subject matter and make real world connections in the target language and culture.

Assessments: Students will be evaluated based on their effort, knowledge, reading, speaking, and listening skills through the use of daily work, quizzes, tests, presentations, and projects.

SPANISH II (4122) **Grade: 10, 11, 12** **1 Credit**
Prerequisites: Spanish I and Teacher Approval **1 Year Long**

As a continuation of those skills learned in Spanish I, students enrolled in Spanish II will increase their knowledge and appreciation of the language and culture. With a focus on increasing the students' vocabulary and understanding of intermediate grammar structure, students should anticipate a more intense, yet interesting, learning experience in this second year course. Students will use various methods of technology to enhance their learning potential. Students will visit Spanish language websites relevant to the subject matter and make real world connections in the target language and culture.

Assessments: Daily assignments, quizzes, tests, and projects will be the basis for evaluating individual student's effort, knowledge, reading, speaking, and listening skills.

SPANISH III (4123) **Grade: 11, 12** **1 Credit**
Prerequisites: Spanish II and Teacher Approval **1 Year Long**

As a continuation of those skills learned in Spanish II, students enrolled in Spanish III will increase their knowledge and appreciation of the language and culture. In addition to focusing on increasing vocabulary and understanding advanced grammar, students will have the opportunity to prepare and present projects in Spanish. Students will also read literature in Spanish. Students will visit Spanish language websites relevant to the subject matter and make real world connections in the target language and culture.

Assessments: Daily assignments, quizzes, tests, and projects will be the basis for evaluating individual student's effort, knowledge, reading, speaking, and listening skills.

SPANISH IV (4124) **Grade: 12** **1 Credit**
Prerequisites: Spanish III and Teacher Approval **1 Year Long**

As a continuation of those skills learned in Spanish III, students enrolled in Spanish IV will increase their knowledge and appreciation of the language and culture. In addition to focusing on increasing vocabulary and understanding advanced grammar, students will have the opportunity to prepare and present projects in Spanish. Students will also read literature in Spanish. Students will visit Spanish language websites relevant to the subject matter and make real world connections in the target language and culture.

Assessments: Daily assignments, quizzes, tests, and projects will be the basis for evaluating individual student's effort, knowledge, reading, speaking, and listening skills.

FRENCH I (4131)**Grade: 9, 10, 11, 12****1 Credit****Prerequisites:** None**1 Year Long**

In French I students learn basic vocabulary and sentence structures through reading, writing, speaking, and listening activities. Students will also learn differences between Francophone and American cultures and learn about the contributions of the French-speaking world.

Assessments: Students will be assessed in a variety of ways including daily assignments, quizzes, tests, projects, and presentations.

FRENCH II (4132)**Grade: 10, 11, 12****1 Credit****Prerequisites:** French I and Teacher Approval**1 Year Long**

Students in French II will deepen their knowledge and appreciation of the French language and culture. Students will continue to improve their speaking, writing, listening, and reading skills through a variety of activities. Students will increase their vocabulary and understanding of grammatical structures as well as deepen their study of French culture, history, and geography.

Assessments: Students will be assessed in a variety of ways including daily assignments, quizzes, tests, projects, and presentations.

FRENCH III (4133)**Grade: 11, 12****1 Credit****Prerequisites:** French II and Teacher Approval**1 Year Long**

Students in French III will continue to increase their knowledge and appreciation of the French language and culture. Students will improve their French through more challenging speaking, writing, listening, and reading activities. Students will begin reading abridged literature. They will deepen their understanding of French culture, history, and geography. This course is highly recommended for college.

Assessments: Students will be assessed in a variety of ways including daily assignments, quizzes, tests, projects, and presentations.

FRENCH IV (4134)**Grade: 12****1 Credit****Prerequisites:** French III and Teacher Approval**1 Year Long**

Students enrolled in French IV will continue to deepen their appreciation and understanding of French and Francophone cultures. In addition to fine-tuning skills in the French language, students will study French geography, art, history, and literature. Students will increase their proficiency in the language through oral presentations and written compositions. This course is highly recommended for college.

Assessments: Students will be assessed in a variety of ways including daily assignments, quizzes, tests, projects, and presentations.



MATH

ALGEBRA I (4206)**Grades: 9, 10****1 Credit****Prerequisites:** Teacher Approval**1 Year Long**

In Algebra I students will learn about measures and equations, graphing, data analyzing, coordinates and functions. Problem solving equations, ratios, probability and similarity, direct variations, linear equations as models, reasoning and quadratic equations as models will also be studied.

Assessments: Students will be graded based on daily assignments, quizzes, notebooks, class projects, tests, and semester and final exams.

GEOMETRY (4208)**Grades: 9, 10, 11, 12****1 Credit****Prerequisites:** Algebra I**1 Year Long**

Students will study the following topics: tools of geometry including geometric constructions, reasoning and proof, parallel and perpendicular lines, polygons, congruent triangles and relationships within triangles, quadrilaterals, area, similarity, surface area and volume, circles, and transformations.

Assessments: Students will be graded based on daily assignments, quizzes, notebooks, class projects, tests, and semester and final exams.

ALGEBRA II (4210)**Grades: 10, 11, 12****1 Credit****Prerequisites:** Algebra I, Geometry**1 Year Long**

The content of this college preparatory course will include, but not be limited to the following: tools of algebra, functions, equations, graphs, linear systems, matrices, quadratic equations, polynomials, polynomial functions, radical functions, rational exponents, exponential functions, logarithmic functions, rational functions, quadratic relations, sequences and series, probability, statistics, periodic functions, trigonometry, trigonometric identities and equations.

Assessments: Students will be graded based on daily assignments, quizzes, notebooks, class projects, tests, and semester and final exams.

INTRODUCTORY ALGEBRA II (4211)**Grades: 11, 12****1 Credit****Prerequisites:** Algebra I, Geometry, or Teacher Approval**1 Year Long**

This course is designed to help students gain an understanding of the basic concepts in the Algebra II curriculum. The content of this course will include linear equations and modeling, solving systems of equations, quadratic equations, polynomial simplification and solutions, rational and radical expressions, and probability. Students will use their content knowledge to model and make informed decisions given data from real world situations.

Assessments: Students will be graded based on daily assignments, quizzes, notebooks, class projects, tests, and semester and final exams.

PRE-CALC & TRIG (4214)**Grades: 11, 12****1 Credit****Prerequisites:** Algebra II (Grade C or Higher) or Teacher Approval**1 Year Long**

This course is designed to review and build on concepts learned in previous math courses. Students will review and learn how to graph and manipulate a multitude of functions; lines, absolute values, hyperbolas, circles, greatest integer, quadratics, cubics, logarithms, and exponentials. In addition, students will review and learn a variety of ways to solve equations and functions. Also covered are the unit circle and its applications involving trigonometric ideas; basic sequences; series; and probability fundamentals are also covered. Examples of solving, modeling, real life scenarios and their applications will help students grasp mathematical concepts.

Assessments: Classwork, homework, quizzes, tests, projects, and final exams are the basis for determining students' grades.

AP-CALCULUS (4213)**Grade: 12****1 Credit****Prerequisites:** Pre-calculus and Teacher Approval**1 Year Long**

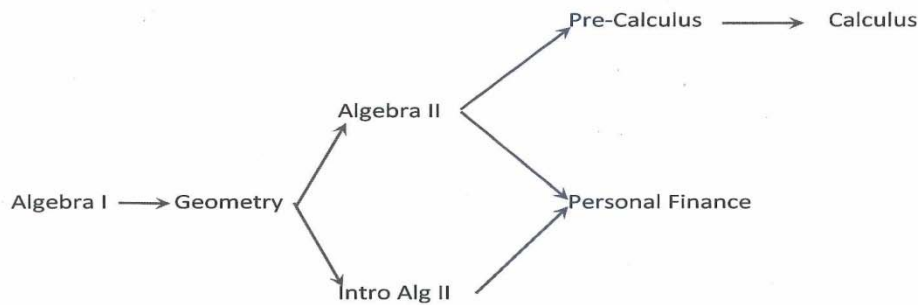
Many of the topics discussed will be an accelerated extension of pre-calculus. Topics studied will include: limits and their properties; differentiation with applications; integration; logarithmic, exponential and other transcendental functions; area and volume applications of integration; and other integration techniques including integration by parts, partial functions, and indeterminate forms. Successful completion of this course and a high score on the AP Calculus I test offered may result in college credit for Calculus I.

Assessments: Daily assignments, quizzes, notebooks, class projects, tests, and semester final exams are the basis for determining student success.

PERSONAL FINANCE (4215)**Grade: 12****1 Credit***This course fulfills the 4th year math-related course requirement.***1 Year Long**

This project based course will cover the fundamentals and mathematics involved in managing personal finances for today and in the future. Personal Finance is divided into six units of focus. The course is assignment based with reports and projects expected along the way, tying to the material. The units covered include: Personal Finance Planning; Finance and Career Planning; Money Management; Consumer Purchasing and Protection; Banking and Credit; and Investing. Upon completion of this course students will have the tools to become rational, competent decision makers; informed, effective consumers and investors; and responsible citizens.

Assessments: Students will be graded based on daily assignments, quizzes, notebooks, class projects, tests, and semester and final exams.

Imlay City High School Math Sequence**Ed-Tech Fulfillment of the 4th Year Math Requirement**

Students who complete two years in a program at the Lapeer County Career and Technical Center will fulfill the Michigan Merit Curriculum requirement which requires a student to take a math related class during their final year of high school.

MUSIC

WIND ENSEMBLE (4604) - VPA

Grades: 9, 10, 11, 12

**1 Credit
1 Year Long**

Prerequisites: A background of solid fundamentals (sight-reading, scales, tone quality, technique, and understanding of rhythm/beat patterns) is required. Admission is through audition or permission of the instructor.

This class is a performance-based class for mature and responsible advanced instrumental music students. Members of the Wind Ensemble will be asked to perform standard wind band literature, orchestral transcriptions, as well as unique modern wind and percussion compositions. Some selections may call for a limited number of performers. Members will participate in the Fall, Winter, Pre-Festival, and Spring Concerts, as well as MSBOA Band and Orchestra Festivals, Commencement, Honors Convocation, Baccalaureate services, and Basketball Pep Band. Wind Ensemble members will also participate in all Spartan Marching Band events including Summer Band Camps, Blueberry Festival, Homecoming, Christmas, and Memorial Day Parades, as well as all home football games, regular season and playoffs. Road playoff games are also a possibility.

Assessments: Grading is based on daily participation, rehearsal behavior, attendance at all functions, practice records, as well as class assignments and projects. Attendance at concerts, events (including home varsity football games and home varsity basketball games), and evening marching band rehearsals is mandatory.

CONCERT BAND (4603) - VPA

Grades: 9, 10, 11, 12

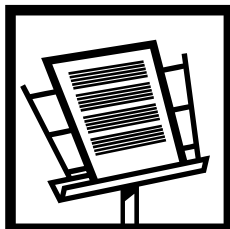
**1 Credit
1 Year Long**

Prerequisites: A background of solid fundamentals (sight-reading, scales, tone quality, technique, and understanding of rhythm/beat patterns) is required. Admission is through audition or permission of the instructor.

This class is a performance-based class for young and developing instrumental music students. Members of the Concert Band will be asked to perform standard wind band literature. Members will participate in the Fall, Winter, Pre-Festival, and Spring Concerts, as well as MSBOA Band and Orchestra Festivals, Commencement, Honors Convocation, Baccalaureate services, and Basketball Pep Band. Concert band members will also participate in all Spartan Marching Band events including Summer Band Camps, Blueberry Festival, Homecoming, Christmas, and Memorial Day Parades, as well as all home football games, regular season and playoffs. Road playoff games are also a possibility.

With the permission of the instructor, Wind Ensemble members may have the opportunity to play a secondary instrument in the Concert Band. For students who are allowed to pursue this option, extra lessons may be necessary outside of class.

Assessments: Grading is based on daily participation, rehearsal behavior, attendance at all functions, practice records, as well as class assignments and projects. Attendance at concerts, events (including home varsity football games and home varsity basketball games), and evening marching band rehearsals is mandatory.



PHYSICAL EDUCATION

PE I (4701) **Grades: 9, 10, 11, 12** **1 Credit**
Prerequisites: None **Required:** Yes **1 Year Long**

This course promotes physical fitness through participation in individual and team activities. Cardiovascular endurance will be stressed twice a week. Students will increase their awareness and understanding of sportsmanship and physical health. PE I includes exercises and activities, such as basketball, soccer, table tennis, kickball, volleyball, airforce football, badminton, floor hockey, tennis, golf, dodgeball, and many other physical activities including weekly weight training. Periodically, students will receive information on the following health related topics: Alcohol, Tobacco and other Drugs, Conflict Resolution, and Personal Health.

Assessments: Students will be graded on a daily basis. They will be graded on attitude, cooperation, and participation. Dressing in gym attire daily is a requirement of this course. An increase in basic skills will be encouraged and reinforced, but will not weigh heavily in the determination of student grades.

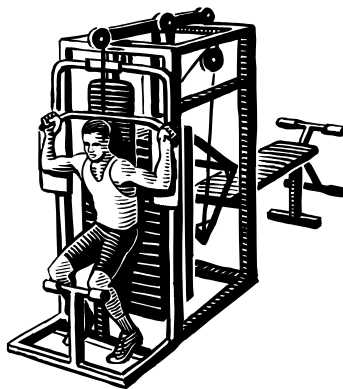
PE II (4702) **Grades: 10, 11, 12** **1 Credit**
Prerequisites: Minimum grade of C in PE I **1 Year Long**

Performance will be evaluated on attitude, cooperation, participation, and improvements in physical strength, agility and flexibility. The focus of this course is further development of athletic skills. Students will participate in a variety of activities to help them increase their abilities in their respective sports. Periodically, students will go to the weight room to increase their strength and agility. They will be required to devise and implement their own weight lifting program to suit their individual needs. Once a week students will participate in a strenuous cardiovascular program.

Assessments: All students will be graded on a daily basis. They will be graded on attitude, cooperation, and participation. Dressing in gym attire daily is a requirement of this course.

PERSONAL MODIFICATION FOR THE MICHIGAN MERIT CURRICULUM PE/HEALTH REQUIREMENTS

A parent may request a “personal modification” of the physical/health education requirement. In lieu of physical education, a student must earn credit in an additional core course of language arts, math, science or foreign language.



SCIENCE

SCIENCE 9 (4302) **Grades: 9** **1 Credit**
Prerequisites: None **Required:** Yes **1 Year Long**

This general science class is a requirement for all students. It is an overview of scientific method, physics, and chemistry. In the physics portion, the students will gain an understanding of the properties and types of waves, motion, forces, energy transfer and conservation, electricity, and magnetism. In the chemistry portion, the students will study atomic structure, create a 3-D model of an atom, learn trends on the Periodic Table, examine physical/chemical changes and the different types of bonding. The students will be involved in laboratory experiments and class discussions. Students will also sharpen their note taking skills, learn how to design experiments, and make inferences from data.

Assessments: Chapter quizzes, laboratory reports, notes, papers, projects, bellringers, semester exams, participation in classroom and group discussions will determine students' grades.

BIOLOGY I (4306) **Grades: 10** **1 Credit**
Prerequisites: Science 9 or placement test **Required:** Yes **1 Year Long**

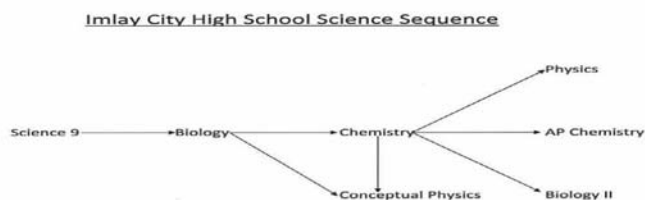
This introductory course in biology emphasizes the structural and functional aspects of biological organization. Students will be introduced to the fundamentals of the scientific method, the chemical basis of life, and cells (in terms of structure, function and methods of studying cell types and organelles). Other topics include: photosynthesis, cellular respiration, mitosis and meiosis, genetics, biotechnology, classification, evolution, natural selection and ecology. This course includes the opportunity for students to perform in a laboratory setting. Techniques to be learned include: use of the microscope, slide preparation, slide staining, and chromatography.

Assessments: Students will be assessed by a variety of means, including, but not limited to, tests, quizzes, labs, homework, and comprehensive semester exams.

BIOLOGY II (4307) **Grades: 11, 12** **1 Credit**
Prerequisites: Min. grade of B in Biology I, Geometry **1 Year Long**

This course is intended to be a survey of biology not covered in Biology I. Its aim is to introduce the student to the topics of microbiology, zoology, human anatomy, physiology, and botany. Covered in the microbiology unit is the study of bacteria and viruses with emphasis on bacterial anatomy classification, nutrition, growth, and the role of bacteria and viruses in the diseases of man. Topics included in zoology are taxonomy, structure, and function of both invertebrates and vertebrates with special attention given to their evolutionary development. The anatomy and physiology of all organ systems are investigated in the study of the human body with emphasis on physiological mechanisms and pathologies. The botany portion of the class consists of a general study of plant morphology, anatomy, taxonomy, economic importance, and reduction of the main plant divisions.

Assessments: Students will be assessed by an array of methods, including tests, quizzes, homework, labs and a lab practicum, collections, research papers and comprehensive semester and final exams.



CHEMISTRY I (4308)**Grade: 11****1 Credit****Prerequisites:** Geometry**1 Year Long**

Chemistry I is a first year course in chemistry that covers most topics in a first semester college chemistry course. The major areas taught in Chemistry I are: the classification of matter (physical and chemical properties, mixtures, compounds, etc.), units of measurement, structure of atoms, quantum mechanics, electron configurations, trends in the Periodic Table, chemical bonding, chemical naming, writing chemical equations, balancing equations, stoichiometry (including % yield and limiting reagents), kinetic-molecular theory and gas laws, Ideal Gas Law, diffusion, molarity and concentration, neutralization reactions, properties of acid and bases, pH and titrations, thermochemistry (including reaction rates), and oxidation-reduction reactions (balancing them, stating what are the oxidizing and reducing agents). Students are required to have a scientific calculator.

Assessments: Students' grades are based on their performance on tests, quizzes, labs, daily homework assignments, the semester exam, final exam, and research papers

AP CHEMISTRY (4309)**Grade: 12****1 Credit****Prerequisites:** Min. grade of B in Chemistry I, Algebra II**1 Year Long**

Due to the pace and workload, which are typical of a college course, AP Chemistry students must be dedicated and hardworking. This course provides more detailed information of material presented in Chemistry I as well as many new topics. These topics include: units of measurements, the atomic theory, chemical nomenclature, stoichiometry, and types of chemical reactions. In addition to these, students can expect to learn about kinetic-molecular theory, gas laws, the ideal gas equation, thermochemistry and quantum mechanics. Period trends for atomic size ionization, energy, electronegativity, types of chemical bonds, bond polarity, and dipole moments will also be taught. Among other subjects, Lewis structures, resonance, VSEPR model, hybridization in chemical bonding, intermolecular bonding, and bonding in metals will also be presented. To further enhance student understanding, solution composition, colligative properties, boiling point elevation, freezing point depression, chemical kinetics, and chemical equilibrium will also be taught. A study of Le Chatelier's Principle, the pH scale, properties of acids and bases, solubility equilibria, buffers, titration, entropy and free energy as well as electrochemistry will be included in the course. Students are required to have a scientific calculator.

Assessments: Student success is gauged by performance on tests, quizzes, labs, daily homework assignments, the semester exam, final exam, and research papers.

CONCEPTUAL PHYSICS (4311)**Grade: 11, 12****1 Credit****Prerequisites:** Biology, Geometry, enrolled in or has taken Algebra II**1 Year Long**

Project based class focusing on the concepts and applications of physics, non-calculus based class. Topics covered include forces, motion, heat transfer, waves (sound and light), electricity and magnetism, and radioactivity. Projects include rubber band cars, rollercoaster, and other projects. Students will take notes, complete labs, projects and research papers. Students are required to have a scientific calculator.

Assessments: Includes projects, presentations, chapter tests, research project, semester exams, lab reports, and bell ringers.

PHYSICS (4310)**Grade: 11, 12****1 Credit****Prerequisites:** Enrolled in or has taken Pre-Calc/Trig**1 Year Long**

This is a class designed for the college bound senior and moves at an accelerated pace. Students will take notes and complete labs, projects, and research papers. Topics covered include a review of math, including trigonometry and some calculus, motion in one and two dimensions, forces, vectors, momentum, machines, energy, waves, sound, light, reflection and refraction. Students are required to have a scientific calculator. Students will sharpen their problem solving skills in real life contexts. They will build a roller coaster and participate in an egg drop project. They will also write fictional stories that illustrate science topics and read them to elementary students. Physics will fulfill the math related course requirement if taken during 12th grade.

Assessments: Chapter tests, laboratory exercises, papers, projects, semester exams, notebook, bookwork (problems), and participation in class discussions are factors in determining students' grades.

SOCIAL STUDIES

WORLD HISTORY/GEOGRAPHY (4450) **Grade: 9** **1 Credit**
Prerequisites: None **Required:** Yes **1 Year Long**

This full year course takes students on a journey through world history in order to construct an understanding of where humankind has been and what accounts for present circumstances. Building upon foundations from middle school, the course begins with the world before Modern times and continues through the early modern world. Through a global and comparative approach, students examine worldwide events, processes, and interactions among the world's people, cultures, societies, and environment. In this course, students are encouraged to evaluate evidence, develop comparative and casual relations between events, interpret the historical record through charts, construct sound historical arguments, and recognize perspectives that provide valuable insights upon which informed decisions in contemporary life can be based.

Assessments: Along with the semester exam, classroom participation, notebooks, essays, projects, and tests are the factors that will measure student's success.

U.S. HISTORY/GEOGRAPHY (4402) **Grade: 10** **1 Credit**
Prerequisites: None **Required:** Yes **1 Year Long**

United States History (1890 – Present) The role that the past plays in shaping the present is important for students in the 21st century. In this course, American history will be integrated with geography to study America's past and present. Through the use of many hands-on activities, this class creatively investigates such topics as the industrialization of America, wars and conflicts, and the main events of the 20th century to the present day. While knowledge of specific names, places, dates and facts is essential for historical study, the learning environment of this course demands students to analyze, synthesize, evaluate, compare, contrast, and to frame important problems and questions. Students will be expected to locate and analyze evidence and data through maps, charts, and documents, as well as draw significant interpretations and conclusions. Students will also combine the necessary skills of reading and writing to interpret history through a lens that encourages students to participate as productive citizens in a democratic society.

Assessments: Successful completion of notebooks, portfolio notes and projects, tests, quizzes, personal interviews, historical writing, computer application, class presentations, book reports, simulations and home work will be the basis for earning credit.

SENIOR SOCIAL STUDIES (4403) **Grade: 12** **1 Credit**
Prerequisites: None **Required:** Yes **1 Year Long**

As a final social studies requirement, seniors must successfully complete this two-semester course. The course will consist of an integration of American government and coordinating economic policies including: structure, functions, and powers of the national government. As well as a study of foreign policy, foreign trade, international markets, national markets, a comprehensive study of economic systems, and basic economic decision making. To further aid the students in an understanding of their civic duty, they will participate in a service/learning project at Christmas, where each class adopts and provides for a family from our community. The course has been constructed to assist students with defining and understanding their future civic duties and economic decisions.

Assessments: Successful completion and maintenance of notebooks, homework, bell-ringers, tests and quizzes, notes, projects, and cooperative learning activities will be the basis for earning credit.

SOCIOLOGY (4405)**Grade: 11, 12****1 Credit****Prerequisites:** None**1 Year Long**

Sociology is a class that examines human relationships. In this class, students are encouraged to use empirical investigation and critical analysis to study human activity. This course provides a broad overview of sociology and how it applies to everyday life. Major theoretical perspectives and concepts are presented, including sociological imagination, culture, deviance, inequality, social change, and social structure. Students also explore the influence of social class and social institutions, such as churches, education, healthcare, government, economy, current events and environment. The family as a social structure is also examined. Students will be expected to read, write, and take part in class discussions that emphasize social behavior and the development of human society.

Assessments: Students will be evaluated with unit tests, individual, group projects, and semester exams.

PSYCHOLOGY (4406)**Grade: 11, 12****1 Credit****Prerequisites:** None**1 Year Long**

Available to juniors or seniors, this one-year elective will offer students the opportunity to study the human brain, stages of human development, mental and emotional development. The course will focus on the history of the study of the human mind as well as the impact of environment and development on the creation of intelligence, personality, mental disorders and deviant behaviors. Therapy and treatment of mental illnesses will also be studied. Students who are looking to understand how the human mind works and would like to study the reasons for variations among people will enjoy this course.

Assessments: Students will be evaluated with unit tests, individual and group projects, semester and final exams.



VOCATIONAL PROGRAMS

Lapeer County Education & Technology Center

Certification and/or licensing are available to students who participate in some vocational programs for two years.

The programs at the Lapeer County Education and Technology Center have a limited number of openings. Each high school in the county is given a quota for each program. The selection committee will consider the following criteria:

- Career Interest
- Attendance/Promptness
- Personal Responsibility
- Academic Needs
- Attitude

All students are encouraged to visit a program prior to enrolling. Vocational assessments are available to interested students.

Ed-Tech Fulfillment of the 4th Year Math Requirement

Students who complete two years in a program at the Lapeer County Career and Technical Center will fulfill the Michigan Merit Curriculum requirement which requires a student to take a math related class during their final year of high school.

AGRISCIENCE – ANIMAL SCIENCE (VAS1/2) - VPA **Grades: 11, 12** **3 Credits**
AM – FIRST YEAR ONLY/PM – SECOND YEAR ONLY **1 Year Long**

Students will use the comprehensive “Livestock and Companion Animals” text and curriculum, and will spend their hands-on time in the animal center, caring for large animals, poultry and some companion animals. The students will study the animals’ body systems, basic production concepts, and second year students will begin a Vet Tech curriculum. The Agriscience – Animal Science program is applicable for all students interested in animal care, production farming, vet science, and biology/zoology. There is a lot of hands-on work, including heavy and dirty work, students with animal or hay/straw allergies should be aware that these aspects cannot be eliminated from the program. Students will be members in the National FFA Organization, offering leadership, relevant competition, and college scholarships.

Required Costs: Work boots

AGRISCIENCE – HORTICULTURE (VAS2) - VPA **Grades: 11, 12** **3 Credits**
PM ONLY **1 Year Long**

Students will be offered Nursery-Landscaping and Floral-Greenhouse options in the PM session. Both options will include basic horticulture (plant science and propagation). Nursery-Landscape students learn plant specimen identification, care, installation and maintenance and design basics. Floral-Greenhouse students also learn plant specimen identification, care, greenhouse maintenance, floral design, retail basics, production growing and sales. All Plant Science students will participate in seasonal production work. All Agriscience-Horticulture students will be members of the National FFA Organization, which creates opportunities for leadership, relevant competition, and college scholarships. Several colleges offer credit articulation in horticultural areas, contact department with specific questions.

Required Costs: Work boots

AUTOMOTIVE MECHANICS (VAM1/2) - VPA **Grades: 11, 12** **3 Credits**
1 Year Long

This program presents the student with the design, operation and repair of automotive systems. Engines, Electrical, Transmissions, Fuel Injection and Computers, Brakes and Suspension/Steering systems are covered. Hands-on learning experiences as well as a substantial amount of academic classroom instruction is used. Successful students can become certified as a State of Michigan auto technician. The program utilizes state of the art equipment, computerized diagnostic testers and an extensive library of CD based learning modules.

Required Costs: Work boots

CAD (VCD1/2) - VPA**Grades: 11, 12****3 Credits
1 Year Long**

Computer Aided Drafting or Design is a technical, hands-on, visual program for students who like drawing, creating or designing. On the computer, students will draw both 2D and 3D objects while learning fascinating, futuristic software. Students will create still, as well as animated, solid and wireframe models. The course features such 3D modeling programs as Inventor, AutoCad 2005, 3D Studio (VIZ and MAX), and Architectural Desktop. Students participating in the CAD program will begin preparation for a well-paying/high demand career in industrial or commercial design, animation, interior design, architecture or engineering.

COLLISION REPAIR (VAB1/2) - VPA**Grades: 11, 12****3 Credits
1 Year Long**

Students will learn the fundamentals of collision repair, including refinishing, replacing, and repairing damaged auto body panels. Instruction is based on current technology and involves an extensive amount of hands-on experience to become a *licensed* technician. New and improved shop with new state of the art equipment including new down draft baking spray booth, student will also perform one Car Welding requirement. Students are required to wear work boots and coveralls for this program.

Required Costs: Work boots

COMPUTER NETWORKING/INTERNET (VCN1/2) - VPA**Grades: 11, 12****3 Credits
1 Year Long**

Using the Cisco Networking Academy curriculum, students will prepare for an exciting career in information technology. Students will also be exposed to a rich learning experience through online media, engaging activities such as animated simulations, video and interactive quizzes.

CONSTRUCTION TECHNOLOGY (VBT1/2) - VPA**Grades: 11, 12****3 Credits
1 Year Long**

This program trains students to become successful entry-level employees. Students learn how to safely handle hand and power tools for jobs in masonry, electrical, plumbing, carpentry and home interior or exterior finishing. Students develop design, construction, measuring and math skills leading to a high-skill, high-wage career in the construction industry.

Required Costs: Work boots

COSMETOLOGY (VCO1/2) - VPA**Grades: 11, 12****PM Only****3 Credits
1 Year Long**

Students will train to become licensed in cosmetology or nail technology. Cosmetology is a two-year program which requires 1,500 hours of training in order to take the State Boards. The Nail Technology component can be completed in one semester. Cosmetology is offered at an off-campus location and will include applied chemistry, anatomy, patron protection, personal hygiene, and salon management. Students are required to purchase their own supply kit upon enrollment.

Required Costs: Supply kit which is estimated to cost \$500, along with purchasing a uniform and shoes.

CULINARY ARTS (VCA1/2) - VPA**Grades: 11, 12****3 Credits
1 Year Long**

Students are given a broad overview of the hospitality industry, the fastest growing industry in the nation. Extensive hands-on learning in commercial food preparation, safety and sanitation, knife skills, baking and pastry, catering, and management will be provided. Under close supervision, students develop employability skills, a sound work ethic and an excellent experience needed to make them successful in the hospitality industry. This is a two-year program.

Required Costs: USB flash drive - \$10 and closed-toe shoes

DIESEL TECHNOLOGY (VDT1/2) - VPA **Grades: 11, 12** **3 Credits**
1 Year Long

Students will prepare for high skill, high wage positions in diagnosis, service, repair and maintenance of gasoline and diesel engines, tractors, heavy equipment and hydraulic systems through hands-on experiences and safety training. Successful completion of the program will assist the student in becoming a licensed technician.

Required Costs: Closed toe shoes

DIGITAL MEDIA ARTS (VDM1/2) - VPA **Grades: 11, 12** **3 Credits**
1 Year Long

The Interactive Media course offers students a chance to examine different types of media and work in units of study involving design imaging, publication production, 2D and 3D animation, basic web programming, web hosting, website development and project management.

Careers students will prepare for include, but are not limited to: Web Graphic Artist, 2D/3D Artist, Animator, Virtual Reality Specialist (Game Designer), Desktop Publishing Specialist, Web Page Designer, Webmaster, and e-Commerce Marketing Manager.

Required Costs: CTSO Membership Fee - \$15

EARLY CHILDHOOD (VEC1/2) - VPA **Grades: 11, 12** **3 Credits**
1 Year Long

Students prepare to care for children in private homes, day care centers, pre-schools, early elementary and other child service facilities. Students will be trained in personal care of children, interacting with children and co-workers, health, safety, growth and development, by participating as staff members and observing activities in a licensed pre-school located within the Early Childhood Program. Second year instruction consists of learning to develop, carry out and evaluate curriculum and field work.

Required Costs: Preschool Uniform - \$10

ELECTRONICS (VEL1/2) - VPA **Grades: 11, 12** **3 Credits**
1 Year Long

Students in Electronics will receive instruction designed for those who desire a career in the field of Electricity and/or Electronics. These include Troubleshooting/Repair, Car/Home Audio, TV/VCR/Radio Repair, Digital Electronics, computer maintenance and repair (A+ Certification), and training for college.

HEALTH OCCUPATIONS (VHO1/2) - VPA **Grades: 11, 12** **3 Credits**
Prerequisite: Working knowledge of the metric system **1 Year Long**

This course will offer career exploration and training for entry-level positions in the health/wellness industry (nursing, physical therapy, occupational therapy, laboratory, pharmacy, dietary, x-ray, veterinary and medical offices). Second year students receive classroom, laboratory and supervised, hands-on clinical experiences which meet the requirements for nurse aide certification (CNA). Students may participate in HOSA, a student organization designed to provide leadership opportunities in the health field. Required equipment includes uniforms and white shoes. **(Students are required to have TB test, HBV series, MMR, and Chicken Pox vaccinations prior to the start of school.)**

Required Costs: (1st year only) Uniform and shoes – approximately \$40

HEALTH OCCUPATIONS - ADVANCED (VHO4) – VPA **Grade: 12** **3 Credits**
Prerequisite: First Year Health Occupations **1 Year Long**

This program is designed to provide students with an individualized medical occupation to study. The program also provides college credit through instruction from a local college. (Students are required to have a negative TB test.)

PUBLIC SAFETY/PROT. SERVICES (VPS1/2) – VPA **Grades: 11, 12** **3 Credits**
1 Year Long

Experience what it takes to be successful in the World of Public Safety/Protective Services. A wide variety of career options will be discussed and “investigated,” including but not limited to police officers, parole officers, and the department of corrections, security guards, dispatchers, fire fighters and paramedics. Also, students will be introduced to disciplines such as social worker, psychologist, FIA caseworker, and other human resource areas that work within the Public Safety/Protective Services career pathways. Students will discover the realities of these professions and the skills necessary to succeed in these exciting careers.

First year students in the Public Safety/Protective Services program will be required to rotate between the criminal justice overview curriculum, police officer, parole officer, department of corrections, security guards, dispatcher, fire fighter, and paramedics. Second year students can be selective and choose a specific occupational goal and develop a year-long core concentration. NOTE: A background check may be necessary to participate in some of the scheduled activities.

Required Costs: Uniform shirt - \$25

RECREATIONAL VEHICLE REPAIR (VRV1/2) - VPA **Grades: 11, 12** **3 Credits**
1 Year Long

Students will service, repair, and maintain two and four-cycle gasoline engines and controls of motorcycles, snowmobiles, outboard motors, chain saws, ATV's, lawn equipment and personal watercraft. In a service school and retail setting, training is provided to prepare students to become licensed in a high wage, high skill position as an RVR salesperson, mechanic, and technician engineer or shop owner.

RES. ELECTRICAL, PLUMBING & HVAC (VMC1/2) - VPA **Grades: 11, 12** **3 Credits**
1 Year Long

Students will be given a basic overview of carpentry, plumbing, heating, electrical wiring, air conditioning and sheet metal and have sufficient time for specialization in one or more of these trade areas, while preparing for entry into the trade or college. Many of these trades offer opportunities for apprenticeship programs.

Required Costs: Work boots

SALES & MARKETING (VSM1/2) – VPA **Grades: 11, 12** **3 Credits**
1 Year Long

Students in the Sales and Marketing program will learn how to “move” a product from manufacturer to the final consumer, entrepreneurial skills, sales, market research, economics, sports marketing and others. Students will also be learning how to work in the Bodega Gift and Snack Shop. They will learn how to run the store and many other jobs. Within the classroom, students will learn communication skills by working as a team and being a part of DECA. Within DECA students will compete against other students both locally and nationwide in exercises developed to challenge their newfound skills.

Required Costs: CTSO Membership \$17

WELDING & MACHINING TECH. (VMT1/2) – VPA **Grades: 11, 12** **3 Credits**
1 Year Long

Metal Technology introduces students to the hands-on, real-life aspect of manufacturing and materials, tools, equipment, processes and safety necessary for use in this industry. The student will be introduced to machine tool operation, CNC with Master Cam, and a variety of welding techniques. Advanced students may use their acquired proficiency to work on outside projects as they come in or to design , problem solve, and execute their own projects.

Required Costs: Work boots



PRE-ENGINEERING PROGRAM (VPE1) - VPA**Grade: 12 ONLY****2 Credits****Prerequisites:** Physics and Calculus (may be concurrent)**1 Year Long**

The Pre-Engineering Program is designed to prepare capable and interested high school students for a future engineering career. A collaborative program has been designed by the University of Michigan – Flint and the Lapeer County Intermediate School District. This program is managed by the Computer Science, Engineering Science and Physics Department of UM-Flint. A series of four university courses (12 credits) over two semesters will be taught at the Lapeer Ed-Tech Center by University of Michigan – Flint faculty. Students may be required to provide their own transportation to and from the Center.

Students will be enrolled as a two hour block and will receive a pass/fail grade. The University of Michigan – Flint will maintain an official transcript with the student's grades and credits earned.

MEDICAL CAREERS ACCELERATED PROGRAM (MCAP)(VME1) Grade: 12 ONLY**2 Credits****Prerequisites:** Pre-Calculus, Biology II, Chemistry or Physics**1 Year Long**

The MCAP Program is designed to provide a post-secondary foundation in advanced medical professions. This is a collaborative program with students taking courses through the University of Michigan – Flint. A series of five university courses (13 credits) will be taught over the course of two semesters at the Lapeer Ed-Tech Center by University of Michigan – Flint faculty. Students may be required to provide their own transportation to and from the center.

Students will be enrolled as a two hour block and will receive a pass/fail grade. The University of Michigan – Flint will maintain an official transcript with the student's grades and credits earned.

COOPERATIVE EDUCATION**Grades: 11, 12**

Co-op is a paid work experience program where students build and expand on classroom skills by working in the occupation at a local business. Students spend up to four days per week at their work site and return to class a minimum of one day each week. Employer's evaluations of student progress and performance contribute to the student's grade in the program. The duration of a student's co-op experience will typically extend throughout an entire semester or school year. Like work experience, co-op is only open to second year students who have successfully completed the first year of their program.

SPECIAL PROGRAM COURSES

ENGLISH I (4191) **Grades: 9, 10, 11** **1 Credit**
Prerequisite: Special Education Certification **1 Year Long**

In this two semester course, students will be introduced to the various genre of classic and contemporary narrative and informational texts that will be read and analyzed throughout high school. Ninth graders will connect with and respond to texts by analyzing relationships across families, communities, societies, governments, and economies. Through the lens of inter-relationships and self reliance, they will consider how they build relationships, how their relationships impact others, and their responsibility to society. Units of study may include, but are not limited to: Introduction to High School Reading (Short Stories and Non Fiction), Introduction to High School Writing (The Six Traits of Good Writing), Contemporary Realistic Fiction (To Kill A Mockingbird), Epic Poetry (The Odyssey), and Shakespearean Tragedy/Drama (Romeo and Juliet). This course will help students improve their written expression, reading comprehension and vocabulary.

Assessments: Student success is based on class work, homework, tests/quizzes, and writing projects.

ENGLISH II (4192) **Grades: 9, 10, 11** **1 Credit**
Prerequisite: Special Education Certification **1 Year Long**

In this two semester course, students will continue to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, tests, and tasks. Tenth graders will connect with and respond to texts through critical response and stance. They will learn to evaluate for validity and quality, to balance and expand their perspectives promoting empathy, social action and appropriate use of power. Units of study may include but are not limited to: The Crucible, A Raisin in the Sun, The Adventures of Huckleberry Finn, and Of Mice and Men. This course will help students to improve their written expression, reading comprehension and vocabulary.

Assessments: Student success is based on class work, homework, tests/quizzes, and writing projects.

ENGLISH III (4193) **Grades: 9, 10, 11** **1 Credit**
Prerequisite: Special Education Certification **1 Year Long**

In this two semester course, students will continue to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, tests, and tasks. Eleventh graders will continue to add to their list of various genre of classic and contemporary narrative and informational texts that will be read and analyzed throughout high school with a special emphasis on British and World Literature texts and ACT success. Eleventh graders will connect with and respond to texts through transformational thinking. They will learn to use forward thinking to help them make better decisions, to generate new ideas for solving problems, and to find wisdom. They will build a context for change in their lives and develop realistic plans for their future. Units of study may include but are not limited to: The Six Traits of Good Writing, Lord of the Flies, Othello, and Frankenstein. This course will help students to improve their written expression, reading comprehension and vocabulary.

Assessments: Student success is based on tests, quizzes, essays, daily work, homework, projects, and participation.

ENGLISH IV (4194)**Grades: 9, 10, 11****1 Credit****Prerequisite:** Special Education Certification**1 Year Long**

In this two semester course, students will refine, apply and extend the knowledge skills and strategies developed in English 9 – 11 as students engage in more complex ideas, tests, and tasks. Using the lens of leadership skills, English 12 students will develop a world perspective by analyzing classic and contemporary texts in a variety of genre, including post-colonial literature. Twelfth graders will synthesize information, ideas, and themes to understand the past, the present, and to think innovatively about the future. They will identify and apply their own leadership skills and prepare for responsible action as American citizens in the context of a global world. Units of study may include but are not limited to: Night, Their Eyes Were Watching God, Things Fall Apart, The Great Gatsby, 1984, and Animal Farm. This course will help students to improve their written expression, reading comprehension, ability to think analytically, and vocabulary.

Assessments: Student success is based on class work, homework, tests/quizzes, and writing projects.

ALGEBRA CONCEPTS (4291)**Grades: 9, 10, 11, 12****1 Credit****Prerequisite:** Special Education Certification**1 Year Long**

In Algebra Concepts students will learn about equations, graphs, data analysis, coordinates and functions. Students will apply problem solving skills to real life situations involving equations, ratios, probability, direct variations, and linear and quadratic equations. Throughout this course students will apply basic math skills such as addition, subtraction, multiplication and division.

Assessment: Student success is based on daily assignments, quizzes, notebooks, projects, tests, and a semester and final exam.

GEOMETRY CONCEPTS (4292)**Grades: 9, 10, 11, 12****1 Credit****Prerequisite:** Special Education Certification**1 Year Long**

In Geometry Concepts students will learn about the tools of geometry, reasoning and proofs, lines, and planes. Students will apply problem solving skills which deal with congruencies and relationships of triangles, quadrilaterals, circles, area, volume, and transformations. Throughout this course students will apply basic logic and problem solving skills along with basic math skills such as addition, subtraction, multiplication and division.

Assessment: Student success is based on daily assignments, quizzes, notebooks, projects, tests and a semester and final exam.

ALGEBRA II CONCEPTS (4293)**Grades: 9, 10, 11, 12****1 Credit****Prerequisite:** Special Education Certification**1 Year Long**

In Algebra II Concepts students will gain a deeper understanding of linear and quadratic equations, solving systems of equations, polynomial division, rational and radical expressions, and probability. Students will apply basic math skills and real world problem solving.

Assessments: Student success is based on daily assignments, quizzes, notebooks, projects, tests and a semester and final exam.

CONCEPTS OF PERSONAL FINANCE (4294)**Grades: 9, 10, 11, 12****1 Credit****Prerequisite:** Special Education Certification**1 Year Long**

In Concepts of Personal Finance students will cover the fundamental skills and mathematical concepts involved in managing personal finances for today and the future. Students will investigate budgeting using checking and savings accounts, credit, calculating wages and taxes, and making informed money management and purchasing decisions. Students will apply real world problem solving skills and basic mathematic functions.

Assessments: Student success is based on daily assignments, quizzes, notebooks, projects, tests and a semester and final exam.

LEARNING STRATEGIES (4491)**Grades: 9, 10, 11, 12****1 Credit****Prerequisite:** Special Education Certification**1 Year Long**

This course teaches techniques and organization skills that enable a student to learn, solve problems, and complete tasks independently. Areas such as time management, test taking, note taking, and learning styles are a few examples. Each program is individualized to meet the student's needs. Independent work time will be provided.

Assessments: Student success is based on organization, use of planner, being on task, daily journal, class participation, and final reflection.

SENIOR SOCIAL STUDIES CONCEPTS (4493) Grade: 12**1 Credit****Prerequisite:** Special Education Certification**1 Year Long**

This course covers the development of American government. The Constitution and all the branches of government are studied. Comparisons are made between different types of government. In addition, this course includes citizenship and the rights and responsibilities of American citizens.

Second semester covers the American economy, free enterprise, banking, investment, and trade. The course ends with the study of capitalism, communism, socialism, and the role of the government.

Assessments: Student success is based on class work, homework, tests, and quizzes.

HIGH SCHOOL/POSTSECONDARY

Enrollment Options

DUAL ENROLLMENT/CAREER TECH PREP ENROLLMENT

Purpose: To take a course at a postsecondary institution that is not offered at Imlay City High School.

Eligibility:

- 11th and 12th grade students
- Must take all parts of the MME test to dual enroll in 12th grade.
- The student must have earned sufficient credits to be in at least grade eleven.
- Juniors must have obtained qualifying scores on all of the sections of test used for determining dual enrollment eligibility. Seniors must pass the subject area that matches the academic area of the college class. (See attached table) Students may take courses for which there are no endorsements as long as they have taken all of the sections of the MME, PLAN, ACT or PSAT.
- Must fulfill other state and district requirements.

Qualification Scores for Dual Enrollment:

Assessment	Test Section	Content Area	Min. Qualifying Score	Met?
PSAT	Crit. Reading	Reading	44	
	Writing Skills	Writing	49	
	Mathematics	Mathematics	45	
PLAN	Mathematics	Mathematics	18	
	Reading	Reading	17	
	Science	Science	19	
	English	English	21	
ACT	Mathematics	Mathematics	18	
	Reading	Reading	17	
	Science	Science	19	
	English	English	21	
MME	Reading	Reading	1100	
	Writing	Writing	1100	
	Mathematics	Mathematics	1100	
	Science	Science	1100	
	Soc. Studies	Soc. Studies	1100	

Credit: Students may receive high school credit, college credit, or both for their work.

Interested students should see their counselor.

PERSONAL CURRICULUM

The parent/guardian of a student may request a personal curriculum for a student that modifies certain requirements of the Michigan Merit Curriculum Graduation Requirements. The personal curriculum will be considered only after all other options have been attempted and must meet stringent requirements for determining educational goals and evaluating student progress. A student completing all of the requirements of a personal curriculum will be awarded a high school diploma. For more information about the requirements of a personal curriculum, parents should contact their student's high school counselor.

NCAA ACADEMIC REQUIREMENTS FOR COLLEGE ATHLETES

Students that wish to play college athletics at Division I or Division II must fulfill eligibility requirements with the NCAA. A student athlete must graduate from high school, have a qualifying grade point average in their core courses and have a qualifying ACT or SAT score. Additional information can be found at the NCAA Clearinghouse website www.ncaaclearinghouse.net.

Division I Core Course Requirements

16 core courses

- 4 years of English
- 3 years of mathematics (Algebra I or higher)
- 2 years of natural/physical science
- 1 year of additional English, mathematics or natural/physical science
- 2 years of social science
- 4 years of additional core courses (from any area above or foreign language)

Imlay City High School Core Courses

English

English 9
English 10
English 11
English 12
Humanities

Mathematics

Algebra I
Algebra II
Geometry
Pre-Calculus/Trig
AP Calculus
MST I - Math
MST II – Math

Social Science

Civics
Geography
World History/Geography
U.S. History/Geography
Senior Social Studies
Psychology
Sociology

Natural/Physical Science

Science 9
Biology I
Biology II
Chemistry I
AP Chemistry
Conceptual Physics
Physics
MST I – Science
MST II – Science

Additional Core Courses

French I
French II
French III
French IV
Spanish I
Spanish II
Spanish III
Spanish IV

***1 core course =
1 full credit at I.C.H.S.**

**ETS SCHOOL CODE
232 - 070**

**Principal
Stu Cameron
Assistant Principal
Pat Brown
Athletic Director
Don Gauthier**



IMLAY CITY HIGH SCHOOL



GRADUATION REQUIREMENTS

- ❖ 4 credits of English
- ❖ 4 credits of Math – including Algebra, Geometry, Algebra II and a Senior math-related class
- ❖ 3 credits of Science – including Biology and Chemistry or Physics and a third credit of Science
- ❖ 1 credit of World History/Geography
- ❖ 1 credit of United States History/Geography
- ❖ 1 credit of Senior Social Studies
- ❖ 1 credit of Physical Education/Health
- ❖ 1 credit of Visual/Performing/Applied Arts – courses which fulfill this requirement are noted with VPA

A minimum of 22 ½ credits is required to graduate.