

Jonesville High School



2019-20 COURSE CATALOG



Updated September 2019



WELCOME

to Jonesville

Jonesville High School is a four year comprehensive high school with an enrollment of over 400 students. Our teaching staff consists of 24 highly qualified members with an additional 6 support staff members. Roles within our building include the following:

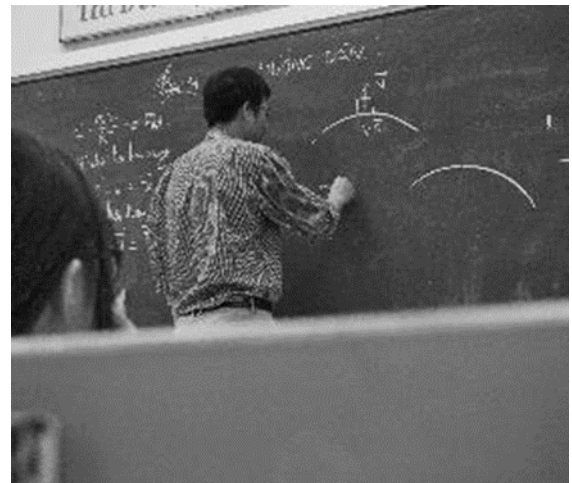
Mrs. Chellie Broesamle- District Superintendent

Mr. Dustin Scharer- Jonesville High School Principal

Mrs. Teryn Bugbee- Jonesville High School Counselor

Mrs. Kathy Bondsteel- Jonesville High School Athletic Director

Our school is on the trimester schedule. We offer five classes a day, each for 70 minutes. A student can earn a total of 15 credits per academic year. Our core curriculum consists of coursework in English, Math, Science, Social Studies, Foreign Language, and Fine Arts. In addition, we offer electives in agriculture, computers, music, newspaper, broadcasting, humanities, nutrition, and physical education. We offer Advance Placement coursework in English, U.S. History, and Calculus.



World-class education, Comet Community Pride

Jonesville Community
Schools' Vision



Grade Level Required Courses

Freshman

Algebra I
English 9
Earth Science
Biology
Spanish I or II
Ancient Civilizations

Sophomore

Geometry
English 10
Chemistry I
World History
Health
Science 10
Spanish II

Junior

Algebra II
English 11
Chemistry II
U.S. History
SAT Prep

Senior

Accounting
English 12
Economics
Government
Chem 3 & 4/Physics
Senior Integrated Project

Credit Requirements based on graduation year

	Class of 2020,2021, 2022,2023
<u>Subject</u>	
English	8 credits
Math	8 credits
Science	7 credits
Social Studies	7 credits
Physical Education	2 credits
Health	1 credit
Art (Visual, Performing, Applied)	2 credits
Electives	13 credits
World Languages	4 credits
Total Credits Available (4 years)	60 credits
Credits needed to graduate	51 credits

Please note that this is a recommended course list and that individual student schedules maybe subject to change. Math courses may be advanced based on student's 8th grade math.

Guidance Office

As students at Jonesville High School, you will be making many important decision regarding courses, curricula, vocational training, college plans, and more personal matters. Decision making can be a lonely and often difficult experience when students do not have all of the necessary support and resources needed to make their decision. The Guidance Office strives to provide a setting in which students may discuss, in confidence, anything that is important to them. The counselor can provide students with information and appropriate resources in order to better help the student make informed decisions. It often helps to talk things over with someone who has knowledge about various paths, is objective in your choices, and takes a personal interest in your success. Students can make an appointment to speak with the school counselor or stop in during regularly scheduled school hours to discuss concerns and/or questions.

Because of ethical obligations and interest in you as a student, your guidance counselor will, at no time, reveal to others what you have shared, unless what you have shared indicates you may harm yourself or others, or someone is harming you.



NCAA Athletic Regulations

Students aspiring to participate in college athletics at the NCAA Division I or II colleges must meet the criteria set forth by the NCAA. Students and parents must go to the NCAA Clearinghouse website to get the latest information concerning college student athletics. The website is www.naaclearinghouse.net



Agricultural Sciences

Course Name: Agricultural Science

Course Description: Agriscience introduces the scientific agricultural approach to animal science and selection, and plant and land science. Agricultural career opportunities will be emphasized in each class. Laboratory experiences relating to basic and current technology will be part of the program.

Course Rationale: Agriscience encompasses the food, fiber, conservation and natural resource systems, employing over 20% of the nation's workforce. Leadership and communication skills are required for individual success in all careers, and the agriculture industry needs spokespersons and leaders to represent it in an increasingly urban population.

Grades: 9-12

Prerequisites: Biology A

Other: 1 Trimester

Course Name: Advanced Ag Science

Course Description: This course will enable students to develop the knowledge, attitudes, and skills to demonstrate positive leadership for agriculture. Areas of focus include public speaking, extemporaneous speaking, impromptu speaking, written communication, meeting people, making good first impressions, establishing personal goals, working as a team, setting and meeting team/organizational goals, organizing groups to take action, and evaluating team/organizational actions and parliamentary procedure. Students will plan and carry out community service projects and participate in leadership development events through the FFA. Students will work on agriscience projects or a career development event. Students may repeat this course each trimester.

Course Rationale: Agriscience encompasses the food, fiber, conservation and natural resource systems, employing over 20% of the nation's workforce. Leadership and communication skills are required for individual success in all careers, and the agriculture industry needs spokespersons and leaders to represent it in an increasingly urban population.

Grades: 10-12

Prerequisites: Biology A & Agricultural Science; Preference for students with FFA membership.

Other: 2 Trimesters

Course Name: Agricultral Business

Course Description: This course includes human relations, personal inventory, careers in selling, and other experiences necessary for employment in agribusiness engaged in marketing, purchasing, storing, grading, and transporting supplies and products. Also, this course combines farm management, agribusiness management, and content based on agricultural economic principles.

Course Rationale: Agriscience encompasses the food, fiber, conservation and natural resource systems, employing over 20% of the nation's workforce. Application of economic principles and business management to the agriculture industry provides the basis for financial success of an agribusiness.

Grades: 11-12

Prerequisites: Biology

Other: 1 trimester

Business and Computers

Course Name: Accounting

Course Description: Understanding finances is essential in today's society. This class is designed for students who plan on entering the world of business, but it will also help anyone learn how to manage money. Accounting I includes learning the business language: assets, liabilities, balance sheets, accounts, journals, etc. Several problems are presented to the student requiring knowledge of the complete bookkeeping cycle for an entrepreneurship. In this class, the student works on at least two practice sets. During the final six weeks of the year, a practice set is completed that covers all the likely problems that an accountant would encounter on the job.

Course Rationale: Free college credits can be obtained by taking the Accounting I class for two complete trimesters (A & B). By researching the college a student is interested in going to, they can find out if articulation is available for the class. This means that they would not need to take the class in college. They would receive the college credits from the high school course.

Grades: 10-12

Prerequisites: Successful completion of 3 years of math

Other: 2 Trimesters

Course Name: Personal Finance

Course Description: Personal Finance is designed to prepare high school students to make wise financial decisions in personal situations. This curriculum will help students realize that they are already making financial decisions and show them how their decisions affect their future. A stock market game will be used to look at investing and a section on retirement will be covered.

Course Rationale: Work enables us to earn a living. It provides money to buy food, clothing, shelter, and other important things, such as education and medical care. New products and services, together with global competition and the computerized work environment, have changed the expectations and needs of business. A person will probably retrain, upgrade, or change jobs several times during their working life. Some will choose the exciting path of self-employment. As students are preparing to enter the "real world," an environment filled with cultural diversity, students must become productive workers and responsible citizens.

Grades: 11-12

Prerequisites: none

Other: 1 Trimester, math credit

Course Name: Business Tech II/Yearbook

Course Description: This course is an invitation to students to investigate and evaluate such areas of journalism as advertising, layout and design, graphics, photography, reporting, and caption and headline writing. Much of the work in this activity-oriented class will be in the form of individual and group projects. The class will be working on producing the yearbook and publishing the district newsletter and homecoming programs. They are also responsible for the production of the yearbook spring edition. Students are expected to use and apply the skills they have learned in their English and computer classrooms to produce a published book that tells what is going on at JHS during the school year. Students will need to be comfortable communicating with local business owners, organized, responsible and enjoy working with computers. Reading, writing, and speaking skills will be used in this course. Grades will be based on weekly reports, assignments, finished pages and exams as well as class discussions and meeting deadlines. Student Publications II is a continuation of Student Publications I and needs approval from the yearbook advisor.

Course Rationale: This course gives students a chance to record one year of JHS history. In doing that, they will be required to be organized to meet deadlines and to be creative to design layouts. In addition, they must be inquisitive to find information and story possibilities.

Grades: 11-12 (10 grade only with instructor permission)

Prerequisites: At least a B- average in English classes or the instructor's permission.

Other: 1 Trimester

Course Name: Computer Programming

Course Description: This course introduces computer programming using the JAVA programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating objects, loops, variables, and debugging. Students will be able to create, compile, and run their own custom course.

Course Rationale: Programming is used everywhere. This is a valuable skill that can be the building blocks towards a career in many computer related fields, which are highly sought after.

Grades: 9-12

Prerequisites: None

Other: 1 Trimester

Communications

Course Name: Newspaper/Broadcasting

Course Description: Students learn the historical development of broadcasting, including the function and role of broadcast media in society, the laws and ethical considerations affecting broadcast journalism, and the strategies of broadcasting to reach certain audiences. Students also recognize how broadcast productions are created and disseminated by learning the roles of producers, station managers, technical directors, camera operators, and news anchors. A community service learning component to the course will provide students the opportunity to work with a local radio station.

Course Rationale: Students need to be critical viewers, consumers, and producers of media. The ability to access, analyze, evaluate, and produce communication in a variety of forms is an important part of language development.

Grades: 9-12

Prerequisites: None

Other: 1 Trimester

Course Name: Public Speaking

Course Description: Students explore a wide variety of public speaking situations including (but not limited to) making introductions, making social and business telephone calls, giving directions, demonstrating a process, arguing a point of view, informing the audience about a topic, and making a sales pitch. Skill focus includes organization and planning, enunciation, eye contact, rate, volume, and posture, analyzing advertising, understanding communication techniques such as the elements of persuasion, being able to recognize propaganda, and understanding ways to use words to convey a message.

Course Rationale: Being able to communicate effectively in both social and business situations is a life skill. Students will start with smaller speaking opportunities and build into longer, planned speeches in order to develop the confidence and communication skills needed to succeed in society.

Grades: 9-12

Prerequisites: None

Other: 1 Trimester

English

Course Name: English 9

Course Description: Materials covered will encompass Michigan's English Language Arts Standards for freshmen: critical reading and thinking, writing, grammar analysis and development, vocabulary development and spelling. Students will read short stories, poems, at least one play, one modern novel and one piece of classical literature. Grammar study will occur daily. Vocabulary development will take place weekly. The students will also read novels of their choice and use the Accelerated Reader Program.

Course Rationale: Reading and writing are two building blocks of life communication. By learning to decode new words in context, to read critically, to write proficiently, and to analyze and apply grammatical concepts, students will be laying a foundation for their future.

Grades: 9

Prerequisites: None

Other: 2 Trimesters

Course Name: English 10

Course Description: This course will incorporate both British literature and introductory college writing skills as well as writing for the world of work. The main purpose of the course is to provide a background of selections and authors that a student should have as part of his/her cultural experience. An attempt will be made to show how the time period influenced the content or style of the writings. This course will cover the following writing and study skills: sentence improvement, paragraph development, multi-paragraphed compositions, styles and kinds of diction, the paraphrase, sentence and paragraph summaries, vocabulary study, mechanics review, and a documented research paper. Daily oral language exercises will continue through the use of MUG sentences and analogies/antonyms.

Course Rationale: In order to be successful members of society, students need to know how to read and write. Reading authors such as Shakespeare will challenge students and will help them develop the critical thinking skills they will need to succeed in life. The writing assigned in class will also help students learn how to express themselves and will help prepare them to write for different jobs and professions.

Grades: 10

Prerequisites: None

Other: 2 trimesters

Course Name: English 11

Course Description: Through the integrated study of reading, writing, speaking and listening, English 10 students will further develop their effective application of language as a tool for academic, practical, and aesthetic thinking and learning. Students practice and develop reading comprehension, critical thinking, composition, and social skills through group and individual work dealing with the following literary genres: short stories, poetry, drama, film, novels, and nonfiction. Students will develop vocabulary and reading comprehension through daily warm-up activities and frequent application assignments. Students will develop composition skills through the use of the writing process, research, and MLA guidelines with creative, practical, and expository writing and speaking projects.

Course Rationale: Students will benefit from knowledge of grammar and syntax, developed vocabulary, critical thinking and organizational skills, as well as reading and writing effectively. In addition, well rounded individuals are developed through the academic and aesthetic exposure to varying genres of literature.

Grade: 11

Prerequisites: English 10

Other: 2 Trimesters

Course Name: English 12

Course Description: English 12 students will be challenged to see themselves as part of the greater world community and will develop the leadership skills that will help them succeed in life. Students will accomplish these goals through the critical study of world literature, both fiction and nonfiction, focusing specifically on texts that address leadership and community issues. Students will complete projects and assignments over the readings that require critical thinking as well. These projects may include community service. Students will also develop composition and writing skills for academic and work-related purposes through research papers, letters to the editors, and other writing assignments. Students will also learn to refine their writing for content, organization, grammar and mechanics errors, and purpose through mini lessons. Finally, students will complete a senior project in which they apply everything they have learned in the class that will be presented to the class and perhaps to some faculty at the end of the year.

Course Rationale: As these students prepare to enter college or the workforce, they not only need to understand their place in the world, but they also need to have the skills to help them succeed. This class will help students gain the necessary reading, writing, thinking, and leadership skills they need to succeed in life outside of high school so that they can be true citizens of the world.

Grades: 12

Prerequisites: English 11

Other: 2 trimesters

Course Name: Advanced Placement (A.P.) English

Course Description: In keeping in line with the Advanced Placement course requirements, this AP Literature and Composition class is designed for high-achieving, goal-oriented students to help prepare them for college. As a result of this class, students will be better writers, readers, and thinkers. Throughout the course of the year, students will develop the skills necessary to be critical readers of different texts (novels, plays, and poetry). They will also learn specific strategies and techniques to become better writers. By the end of the course students will have learned to write for a variety of purposes and will have produced college level writing that demonstrates varied syntax, appropriate diction, logical organization, correct use of rhetorical strategies and techniques, and the proper use of textual evidence to support the thesis of the critical essay. Students will develop these skills through a number of opportunities for writing, both in and out of class. They will have opportunities to revise analyses for class as well. At the end of the year, students will be asked to choose their best piece of writing from the year to revise one more time. They then will then be asked to critique themselves as a writer and to evaluate their growth as a writer, using what has been discussed throughout the year as a guideline for their evaluation.

Course Rationale: This course is specifically designed to help students prepare for the Advanced Placement Literature and Composition Exam given each spring and to prepare students for college level writing and reading. Students will be challenged daily with a variety of assignments, readings, discussions, and essays to take their understanding of a text one step further. Critical thinking and critical reading skills as well as college level writing

will help prepare those students who intend to go to college.

Grades: 12

Prerequisites: English 11 (B minimum)

Other: 3 Trimesters

Course Name: Creative Writing

Course Description: This elective course is designed for students who desire to be creative writers and want the time and opportunity to express themselves. Students, however, also need to learn the fundamentals of their craft – of writing poetry and prose. This course is designed to give students time to write and to teach them some of those fundamentals. Students will study topics including plot, imagery, mood, skit writing, short story writing, and more. Students will also be expected and encouraged to re-write and refine their writings. Brainstorming, developing sentence variety, and exposure to various famous authors will also occur.

Course Rationale: For students who are interested in exploring creative writing as a skill and whom desire to pursue creative writing in their personal lives. This course allows students to become comfortable in the creative writing process through a variety of different genres.

Grades: 9-12

Prerequisites: None

Other: 1 Trimester

Fine Arts

Music

Course Name: Comet Marching Band

Course Description: The most visible and critiqued ensemble of the Jonesville High School music program is the Comet Marching Band. This band strives to perform exciting marching music and drill that entertains their audiences, supports their athletic teams, and represents their school and community with pride. Members of this group are expected to help achieve this goal by being prepared for rehearsal during class each day. There are currently no outside rehearsals for this ensemble. However, members of the ensemble are expected to attend Band Camp usually held the last full week of July. Throughout the year, the Comet Marching Band performs at all home football games, the Hillsdale County Fair Parade, the Homecoming Parade, the Jonesville Memorial Day Parade, and the annual Glow Show at the BANDORAMA concert each November. The ensemble will also travel to one university sponsored band event each Fall which is usually held on a Saturday. Most recently, students have participated in the University of Toledo Band Day where marching band members have a chance to perform their own show at an exhibition during the morning and then join the Rocket Marching Band and about 800 other high school musicians for a massed halftime performance at the U of T football game. Students registered for the Comet Marching Band first trimester must also be registered for Concert Band or Symphony Band for the following two trimesters and are expected to participate for the entire year. This course may be repeated to earn an additional Fine Arts credit each Fall and one Physical Education credit will be waived for students who complete four full years of band.

Course Rationale: Part of the uniqueness of humans is their ability and need to express themselves through personal emotions. When this necessity is cultivated, mankind becomes more in tune with his/her humanity. Music education helps students develop the skills used to communicate emotion, understand the artistic expressions of history and define beauty. Participation in band also advances the student's ability to multitask, build interpersonal communication, and promotes team building skills. Students build self-confidence and enhance

creativity that lead to successful futures in whatever career path they choose.

Grades: 9-12 **Prerequisite:** 8 th grade band participation or director approval

Corequisite: Concert Band or Symphony Band

Other: 1st trimester only

Course Name: Concert Band

Course Description: The JHS Concert Band is dedicated to the successful performance of high quality band music. Members of this group are expected to help achieve this goal through practice and rehearsal inside and outside of class if necessary. Lessons are planned to follow the curriculum for the National and Michigan Content Standards and Benchmarks for the Fine Arts. In addition to improving their performance skills and working to master the necessary fundamentals of their instrument, students in this ensemble will expand their musical vocabulary, obtain basic knowledge about music theory, and practice sight reading and aural skills. During concert season, students are expected to attend District and State Band Festivals, Graduation Ceremonies, one Home Basketball Game, and one or two concerts each trimester. Members are also encouraged to participate in District and State Solo and Ensemble Festivals. This group also performs in the Magic Music Days festival at Walt Disney World in Orlando, Florida every four years. Students registered for the Concert Band must also be registered for Comet Marching Band the first trimester and are expected to participate for the entire year. This course may be repeated to earn an additional Fine Arts credit each school year and one Physical Education credit will be waived for students who complete four full years of band. Students in Symphony Band may also take one or two trimesters of Concert Band as an additional elective performing on their primary or secondary instrument.

Course Rationale: Part of the uniqueness of humans is their ability and need to express themselves through personal emotions. When this necessity is cultivated, mankind becomes more in tune with his/her humanity. Music education helps students develop the skills used to communicate emotion, understand the artistic expressions

of history and define beauty. Participation in band also advances the student's ability to multitask, build interpersonal communication, and promotes team building skills. Students build self-confidence and enhance creativity that lead to successful futures in whatever career path they choose.

Grades: 9-12 **Prerequisite:** 8 th grade band participation or director approval.

Corequisite: Comet Marching Band

Other: 2nd and 3rd trimesters

Course Name: Symphony Band

Course Description: The JHS Symphony Band is dedicated to the performance of high quality band music at a challenging level. Due to the higher difficulty level of music literature that will be selected for this group, members are expected to strive for excellent performances through rehearsal inside and outside of class through regular "at home" practice. Lessons are planned to follow the curriculum for the National and Michigan Content Standards and Benchmarks for the Fine Arts. Students selected for this "audition only" band will already have achieved the fundamentals on their instrument and will be encouraged to develop their skills to a higher level. In addition to improving their performance skills, students in this ensemble will expand their musical vocabulary, obtain intermediate knowledge about music theory, and practice sight reading and aural skills on a daily basis. During concert season, students are expected to attend District and State Band Festivals, Graduation Ceremonies, one home Basketball Game, and one or two concerts each trimester. Members are also encouraged to participate in District and State Solo and Ensemble Festivals and various university sponsored honor's bands. This group also performs in the Magic Music Days festival at Walt Disney World in Orlando, Florida every four years. Students registered for Symphony Band must also be registered for the Comet Marching Band first trimester and are expected to participate for the entire year. This course may be repeated to earn an additional Fine Arts credit each school year and one Physical Education credit will be waived for students who complete four full years of band. Students in Symphony Band may also take one or two trimesters of Concert Band as an additional elective performing on their primary or secondary instrument.

Course Rationale: Part of the uniqueness of humans is their ability and need to express themselves through personal emotions. When this necessity is cultivated, mankind becomes more in tune with his/her humanity. Music

education helps students develop the skills used to communicate emotion, understand the artistic expressions of history and define beauty. Participation in band also advances the student's ability to multitask, build interpersonal communication, and promotes team building skills. Students build self-confidence and enhance creativity that lead to successful futures in whatever career path they choose.

Grades: 9-12

Prerequisite: By audition only with band director approval

Corequisite: Comet Marching Band

Other: 2 nd and 3rd trimesters

Course Name: Jazz Band

Visual Arts

Course Name: Design

Course Description: Design is an introduction to the visual arts through the study of the elements of composition and their principles of organization. Students will work in a variety of media to develop and execute solutions to a variety of visual problems. Students will learn to apply artist's tools and techniques to express themselves and communicate ideas. In this class students will gain an understanding of how artists and designers create effective compositions. They will learn how to look at and analyze compositions of their own and professionals.

Course Rationale: Every manmade object we see or use from the simplest to the most complex was designed; it began as a drawing on paper. Our daily lives are filled with visual observations and decisions. An understanding of how artists and designers work provides a greater understanding of the wide variety of images and objects we experience every day. Being able to effectively visualize, organize and create can become the doorway to many career opportunities.

Grades: 9-12

Prerequisites: None; no experience or proficiency in the arts is required.

Other: 1 trimester, students must take Design in order to be scheduled for other Visual Art courses.

Course Name: Digital Imaging

Course Description: Digital Imaging is a discipline-based class designed to increase the students' understanding and proficiency with a variety of computer graphics methods and systems. The core of the class will be working with digital photography; however, scanning, drawing or painting images in both raster and vector systems will also be explored. Students will increase their understanding and proficiency in traditional photographic techniques, as well as in the adjustment and manipulation of those images in the digital realm. To insure that skills are relevant, students will be working with their own cameras and readily available software.

Course Rationale: From snapshots of friends to the CG in the latest Hollywood films digital photography is becoming a dominant visual media. Both the composition and technical skills are important for improving photos or pursuing a graphics or photographic oriented career.

Grades: 9-12

Prerequisites: Design

Other: Students are expected to provide their own digital camera, 1 Trimester

Course Name: Drawing

Course Description: Drawing is a discipline-based class designed to improve everyone's ability to produce two-dimensional art. Drawing is taught as a skill that everyone can learn, not as a gift or talent given to just a few. In addition to the study of famous artists and their works, students will work in the studio on the technical aspects of seeing and drawing. Proficiency will be gained both in drawing realistically and in the use of organizational principles to draw expressively. Students will learn to effectively describe and analyze works of art by themselves and others. A variety of media will be explored, including graphite pencil, marker, and charcoal.

Course Rationale: Drawing is the most fundamental of all the visual arts and the skill most necessary for proficiency and growth in the fine or technical arts. Accurate drawing is the most important skill for any visual communication whether a quick sketch of an idea or drawings for the construction of complex systems.

Grades: 9-12

Prerequisites: Design

Other: 1 Trimester

Course Name: Painting

Course Description: Painting is an advanced, discipline-based class designed to improve one's understanding of how artists use color in creating expressive compositions. In addition to studying historically important art and artists, students will work with color and improve their expressive and technical skills through the production and evaluation of two dimensional works. Media explored will include watercolor and acrylics. Students will be involved in evaluating and displaying their work.

Course Rationale: Painting is the historically definitive media for traditional artists. Painting provides the best opportunity for students to explore and express themselves within or outside its rich historical tradition.

Grades: 9-12

Prerequisites: Design

Other: 1 Trimester

Course Name: Sculpture & Clay

Course Description: Sculpture and Clay is a discipline-based class designed to increase the students' awareness of space, form, and texture in the visual arts. By working with various materials, students will experiment by making sculptures in a variety of shapes and forms. Students will

explore three dimensional designs by cutting, gluing, forming, carving, molding, and assembling sculptures of different materials. Clay will be explored as a fine arts medium. Students will learn about the use of different clays, glazes, and forming techniques. Students will study the lives and works of famous sculptors and potters.

Course Rationale: Being able to visualize and design in three dimensions is an additional aspect of the arts that expands on the traditional design skills. Three dimensional organizational skills are important for architectural, interior design, landscaping, and construction industries. While providing opportunities for creative expression this class will improve students' fine motor skills while constructing interesting objects.

Grades: 9-12

Prerequisites: Design

Other: 1 Trimester

Course Name: Photography

Course Description: Photography is a discipline-based class designed to improve everyone's ability to produce two-dimensional art. Photography is taught as a skill that everyone can learn, not as a gift or talent given to just a few. In addition to the study of famous photographers and their works, students will work in the studio on the technical aspects of taking photographs. Proficiency will be gained both practice to taking photographs and in the use of organizational principles in photography. Students will learn to effectively describe and analyze photographs by themselves and others.

Course Rationale: Photography is part of the visual literacy in the visual arts content. Photography teaches the visual history of photography along with how to see the world how to see through the eyes as a photographer.

Grades: 9-12

Prerequisites: Design

Other: 1 Trimester

Course Name: Mixed Media Art

Course Description: Mixed Media Arts is a class with an emphasis on creative thinking, problem solving, printmaking and meaning making in art. It is an opportunity to learn and explore printing processes used by artists, collage, photo transfer and a variety of new artistic methods, and then combine media in new ways to express yourself and individual ideas. Artists are required to reflect on process, learning, personal connections and creative ideas in written artist statements.

Course Rationale: Creating is the highest order of thinking. This class merges the technical understanding of processes with critical problem solving skills, creative thinking skills, self-expression and reflection.

Grades: 9-12

Prerequisites: Design

Other: 1 Trimester

Course Name: Advanced Art

Course Description: Students with all the basic skills in a variety of media will be provided with projects that push their boundaries and challenge their creativity. Students are expected to have goals and ideas about the work they would like to produce. The lives and work of famous artists will become a springboard into new ways of expressing. **Course Rationale:** Much of the studio arts curriculum is designed to teach fundamental skills. This class will provide more opportunities for students who have obtained the basic skills to develop goals and ideas as well as express and refine their own creative language using a variety of available materials.

Grades: 11-12

Prerequisites: Design, Drawing, and one other visual arts class.

Other: 1 Trimester, By invitation only

Course Name: American Film Arts

Course Description: Students will learn to critically view American films that are acknowledged masterpieces. By watching a variety of contemporary and historic film students will learn to better understand the creative decisions that went into making these films. The students will gain an appreciation of the history of American filmmaking and the contributions of major directors and producers. In addition to watching films, students will develop the ability to identify and evaluate the key aspects of film and communicate verbally and in writing about their observations. Students will discover how directors, producers, artists, actors and technicians combine their skills and vision to create a meaningful and memorable film.

Course Rationale: Film is a contemporary literature that involves the collaborative efforts of many artists and art forms. By the time students reach high school they may have enjoyed hundreds of films. With a sense of history of the art form and the observational tools to better

understand films, students will be able to enjoy and appreciate all the films they watch.

Grades: 9-12

Prerequisites: None

Other: 1 Trimester

Applied Arts

Course Name: Carpentry

Course Description: This is an introductory class in carpentry, designed to give an overview of the various components of residential construction and building techniques.

Course Rationale: This course is intended for students who are interested in the many rewarding careers in the construction industry. These students should possess characteristics such as dedication to hard work, good work ethic, and the ability to be self directed while working with others toward a common goal.

Grades: 9-12

Prerequisite: None

Other: 1 trimester

Course Name: Woodworking

Course Description: Woodworking is designed to teach students basic woodworking skills and knowledge in preparation for their advancement into the construction trades. The instructor will emphasize hands-on training and lead discussion on woodworking application.

Course Rationale: This course will introduce students to hand tools as well as portable and stationary power tools. Students will complete group and individual projects designed to provide practical experience in construction and woodworking techniques.

Grades: 9-12

Prerequisite: Carpentry

Other: 1 trimester

Course Name: Construction Trades

Course Description: Construction Trades is a course which students will learn skills and knowledge related to residential construction. Students will address a broad range of topics relevant to a challenging and constantly changing industry.

Course Rationale: This construction course content will prepare the student for entry level employment.

Grades: 9-12

Prerequisite: Carpentry or Woodworking

Other: 1 trimester, class takes place at Jonesville Middle School (transportation is not provided).

Mathematics

Course Name: Pre Algebra

Course Description: Pre Algebra is designed to prepare students with the background for success in Algebra I. The class will cover topics that include: equations and inequalities, graphing, ratios, percent, fractions, unit conversions, proportional reasoning, English to metric conversion, spatial geometry, perimeter, area, surface area and volume. The course is designed to help prepare students for high school math success. Class time will include introducing new concepts, working related problems and answering questions.

Course Rationale: Students will be placed in this class based on previous math classroom grades, teacher recommendations and standardized test scores. The successful completion of pre algebra is intended to provide students the skills they need to be successful in Algebra I.

Grade: 9 (placement in this course will come from previous math teacher recommendation and or permission from the instructor and standardized test scores).

Prerequisites: None

Other: 2 Trimesters

Course Name: Algebra I

Course Description: Algebra I is the first course in the mathematics curriculum. In this course, students will study the algebra concepts that are most important for today's students and apply these concepts to solve many different types of problems. Skills will be developed in reasoning and problem solving. The course emphasizes the use of functions, equations, and graphs to model problem situations.

Course Rationale: This course serves as a prerequisite for Geometry and Algebra II. It covers material that is tested on the Michigan Merit Exam, which includes the ACT. The successful completion of Algebra I is required by the State of Michigan as a graduation requirement.

Grades: 9 (intended to be a first year mathematics class taken as a freshman)

Prerequisites: None

Other: 2 Trimesters

Course Name: Geometry

Course Description: Geometry introduces students to geometric concepts using inductive and deductive reasoning to prove properties of parallel lines, planes, triangles, quadrilaterals, and circles. They will also learn how to find the areas and volumes of solids and the areas of plane figures.

Course Rationale: This course serves as a prerequisite for Pre-Calculus. It covers material that is tested on the Michigan Merit Exam, which includes the ACT. The successful completion of geometry is required by the State of Michigan as a graduation requirement.

Grades: 9-11 (typically taken after successful completion of Algebra I)

Prerequisites: Algebra I

Other: 2 Trimesters

Course Name: Algebra II

Course Description: Algebra II is a continuation of Algebra I, going into more depth in many subjects. Students will review basic concepts of algebra such as inequalities and proofs, linear equations and functions, and work with polynomials. They will also be introduced to algebraic concepts such as rational expressions, rational and complex numbers, quadratic equations and functions, variation and polynomial equations, analytic geometry, exponential and logarithmic functions, sequences and series, statistics and probability, and matrices and determinants. Finally, they will have a brief introduction to trigonometry.

Course Rationale: This course serves as a prerequisite for Pre Calculus. It covers material that is tested on the Michigan Merit Exam, which includes the ACT. The successful completion of Algebra II is required by the State of Michigan as a graduation requirement.

Grades: 10-11 (typically taken after successful completion of Geometry)

Prerequisites: Algebra I

Other: 2 Trimesters

Course Name: Pre Calculus

Course Description: Pre Calculus is a college preparatory curriculum that covers various topics such as relations, functions, and graphs; trigonometry, advanced functions (conics, sequences and series, exponential and logarithmic), and graphing; discrete mathematics (probability and statistics); and an introduction to calculus.

Course Rationale: This course serves as a prerequisite for Calculus and prepares students for college-level mathematics.

Grades: 11-12 Prerequisites: Geometry and Algebra II

Other: 2 Trimesters

Course Name: Advanced Placement (A.P.) Calculus

Course Description: In this course students will be studying and learning concepts in Calculus by looking at four basic approaches to calculus; numerically, graphically, analytically/algebraically, and verbal/written methods. Students will be required to display their understanding and learning in several ways including oral responses, participation in discussion, written responses, individual and group assignments, and demonstration of mastery.

Course Rationale: This course is specifically designed to help students prepare for the Advanced Placement Calculus exam given each spring and to prepare students for college-level mathematics.

Grades: 12

Prerequisites: Pre Calculus, Introduction to Calculus

Other: 3 trimesters

Physical Education & Health

Course Name: Court Sports

Course Description: This class is designed for the higher skill level student who wishes to pursue recreational activities after graduating, including court sports

Course Rationale: Students will benefit by gaining the skills to be physically active their entire lives thus reaping the benefits of being healthy.

Grade: None

Prerequisites: Basic Physical Education

Other: 1 Trimester

Course Name: Comet P.E.

Course Description: The purpose of this class is to help in the total physical and mental development of the student. This class will introduce students to a wide variety of activities: physical fitness and testing, flag football, speedball, soccer, softball, basketball, volleyball, wrestling, track, and weight lifting.

Course Rationale: As our society continually gains weight, more physical activity is needed. This course will introduce students to physical fitness.

Grades: 9-12

Prerequisites: None

Other: 1 trimester

Course Name: Personal Fitness (Weight Training)

Course Description: This class is designed for serious junior or senior varsity athletes interested in improving their skills. The workouts will be individualized to meet the needs of his or her varsity sport, with an emphasis on strength, conditioning, and improving agility and quickness.

Course Rationale: Students who wish to become better fit or to gain more muscle should take this course.

Grades: 9-12

Prerequisites: Basic Physical Education

Other: 1 Trimester

Course Name: Health Education

Course Description: A one credit course in health, creating an awareness of one's physical, mental, emotional and social needs. It deals with nutrition, physical fitness, violence, relationships, safe driving, communicable diseases, chronic and disabling diseases, and abstinence only sex education. The class also has units on alcohol, tobacco, and drug abuse. The semester is capped by standard first aid training, where the student will learn life-saving methods and cardiopulmonary resuscitation (CPR), along with learning how to use an automated external defibrillator (AED).

Course Rationale: Students will benefit by understanding how to develop life long healthful habits that they can carry on with them outside of the classroom. The skills learned will also help them to have a greater appreciation for their social, emotional, mental, and physical health.

Grades: 10-12

Prerequisites: None

Other: 1 Trimester, become CPR certified

Science

Course Name: Biology

Course Description: This class focuses on the organization and development of living systems, interdependence of living systems and the environment, genetics, evolution, and biodiversity.

Course Rationale: The study of life is the most fundamental way in which we learn about ourselves and our place in the natural world.

Grades: 9

Prerequisites: None

Other: 2 Trimesters

Course Name: Earth Science

Course Description: A required science class for 9th grade. This class seeks to answer the question: What is our earth made of? Why are there mountains, lakes and rivers? What causes the seasons and weather? What is its place in the universe? By examining the systems of land, water, and air in both isolation and synthesis, students will gain a working understanding of our planet. A study of astronomy will give students a sense of our place in the universe we inhabit.

Course Rationale: An understanding of how the earth's systems operate, will provide a practical and useful understanding of things basic to everyday life.

Grades: 9

Prerequisite: None

Other: 1 Trimester

Course Name: Science 10

Course Description: The workings of machines, motion, energy, and waves are all part of our physical world. Students will study the various manifestations of matter and energy and learn how the understanding of governing principles allows us to predict the motion of objects, build electrical devices, and enhance the technology of our society.

Course Rationale: Every day, starting with the ringing of the alarm, we engage the mechanical and electrical devices of the 21st century. A basic understanding of the scientific principles behind these devices is necessary for every occupation.

Grade: 10

Prerequisites: None

Other: 1 Trimester

Course Name: Chemistry 1

Course Description: A required science course taken in the 10th grade. Students will begin a comprehensive investigation of the building blocks of matter. They will learn the rules that atoms follow when combining into the matter of our world. They will explore both the role and the impact of chemistry in our society. **Rationale:** This class will provide a basic understanding of the building blocks of matter that is necessary to understand the medicines, materials, and manufacturing processes of the 21st century.

Grades: 10

Prerequisite: Biology

Other: 1 Trimester

Course Name: Chemistry 2 & 3

Course Description: Chemistry is the study of matter. Areas of study include classifying matter, properties of matter, behavior of atoms, the periodic law, chemical bonding, and chemical formulas. Mathematical problem solving and laboratory investigation is involved throughout this course. This course is designed for the college-bound student.

Course Rationale: We & the entire world around us are, at one level, a combination of chemical elements. An understanding of how these elements combine and change is fundamental to our understanding of the matter and life in the universe.

Grades: 11-12

Prerequisites: Algebra I, and required science courses

Other: 2 Trimesters

Course Name: Chemistry 4

Course Description: Chemistry 4 involves the study of acids and bases, thermo chemistry, chemical equilibrium, oxidation reduction reactions, and organic chemistry. Mathematical problem solving and laboratory investigation are involved throughout this course. This course is designed for the college-bound student, especially those students interested in the health sciences.

Course Rationale: The study of chemistry continues with a deeper exploration of the chemistry of organisms and the chemical processes used in industry.

Grades: 11-12

Prerequisite: Chemistry

Other: 1 Trimester

Course Name: Anatomy & Physiology

Course Description: This class will focus on structure and function of the human body. Students will delve into the workings of specific organ systems as well as study comparative anatomy through dissection of preserved specimens.

Course Rationale: A solid foundation in advanced science courses is fundamental to the success of students seeking careers in the science field – including but not limited to: health sciences, plant/animal sciences and forensic sciences.

Grades: 11-12

Prerequisites: Satisfactory completion of Biology with a C or better

Other: 1 Trimester

Course Name: Genetics

Course Description: In this course students will make an advanced study of genetic concepts including mechanisms and laws of inheritance, the nature of the genetic material, and the structure and function of genes and the regulation of their activity. Topics will include: DNA, chromosomes, genes, monohybrid and dihybrid crosses, codominance, incomplete dominance, genetic disorders linked to the X-chromosome, gene linkage and mapping, and the human genome. Genetic experiments to confirm monohybrid and dihybrid cross predictions will be conducted, as well as, ABO-Rh blood typing with synthetic blood. Genetics is an advanced science course designed for college bound students.

Course Rationale: A solid foundation in advanced science courses is fundamental to the success of students seeking careers in the science field – including but not limited to: health sciences, plant/animal sciences and forensic sciences.

Grades: 10-12

Prerequisites: Satisfactory completing of Biology with a C or better

Other: 1 Trimester

Course Name: Invertebrate Zoology

Course Description: In this course students will make an advanced study of invertebrate organisms belonging to the Animal Kingdom. Through the dissection of preserved specimens students will examine the anatomy and function of invertebrates including sponges, hydra, jellyfish, sea anemones, planaria, flukes, tapeworms, snails, clams, squid, octopus, earthworms, starfish, sea cucumbers, sand

dollars, etc. Invertebrate Zoology is an advanced science course designed for college bound students.

Course Rationale: A solid foundation in advanced science courses is fundamental to the success of students seeking careers in the science field – including but not limited to: health sciences, plant/animal sciences and forensic sciences.

Grades: 9-12

Prerequisites: None

Other: 1 trimester

Course Name: Vertebrate Zoology

Course Description: This course is a survey of the major classes of vertebrates within the Animal Kingdom with an examination of classification, structure, development, physiology, behavior, and ecology. Through the dissection of preserved specimens students will examine the anatomy and function of vertebrates including amphibians, fish, reptiles, birds and mammals. Vertebrate Zoology is an advanced science course designed for college bound students.

Course Rationale: A solid foundation in advanced science courses is fundamental to the success of students seeking careers in the science field – including but not limited to: health sciences, plant/animal sciences and forensic sciences.

Grades: 9-12

Prerequisites: None, Biology is helpful

Other: 1 trimester

Course Name: Limnology

Course Description: Limnology or Lake Ecology is defined as the study of inland water bodies including lakes, rivers, streams, and wetlands. The limnology class at JHS will be an introductory level course that focuses primarily on the ecology of lakes. Our examination of lakes will be broken down into 3 main units. Physical characteristics of lakes will be studied including lake origin, basin morphometry, zonation in lakes, and watersheds. Chemical characteristics of lakes will be studied including water chemistry and water quality parameters, mineral and salt deposition, and pollution. Finally Lake Biology will be studied including the predominate species of micro and macro organisms found in midwestern lakes. We will identify these organisms and describe their important relationships in the aquatic ecosystem. These topics will be examined through teacher to student open discussion, use of the library computer labs for internet exploration, outdoor field work

with accompanying indoor lab work, and one ongoing lake microcosm project.

Course Rationale: Water is one of if not the most important natural resource in our lives. Unfortunately, it is often the most taken for granted. It is important for students to realize the complexity and sensitivity of an aquatic environment and how so many living species affect one another. Also, this class gives them an opportunity to see how the actions of man can influence a large number of species all at once. In addition to this, the state of Michigan offers our students a lot of possibilities in regards to work and play when it comes to lakes and aquatic environments. A better understanding of lake ecology may help lead to an interest in related fields for college or employment, as well as give students a better understanding of human impact next time they go out for a swim.

Grades: 9-12

Prerequisites: None

Other: 1 trimester

Course Name: Microbiology

Course Description: In this course students will examine biological concepts and organisms from the Bacterial, Virus, Protista, and Fungi kingdoms. Students will perform microbiological laboratory techniques including: streaking a petri dish to isolate a bacterial culture, bacterial smear process for microscopic slide preparation, gram staining techniques, testing for antibiotic effects on bacterial growth, and microscopic examination of organisms in the Protista kingdom. Microbiology is an advanced science course designed for college bound students.

Course Rationale: A solid foundation in advanced science courses is fundamental to the success of students seeking careers in the science field – including but not limited to: health sciences, plant/animal sciences and forensic sciences.

Grades: 10-12

Prerequisites: Satisfactory completing of Biology with a C or better

Other: 1 Trimester

Course Name: Physics

Course Description: Television, iPods, automobiles, guitars, airplanes, and winning at football can all be understood through the study of physics. By studying motion, sound, light, heat, and energy, students will gain skills to understand much of the technology of our everyday life and be better prepared for the future. Students going to college or technical school will benefit from the thinking skills that are developed in this class. Emphasis will be placed on students obtaining an understanding of the concepts involved in both classical and modern physics. This class will add a historical and technological perspective to the traditional mathematical understanding.

Course Rationale: There are no careers that do not require or benefit from an understanding of the sciences. Physics along with Biology and chemistry provides the basic understanding necessary for 21st century opportunities. Virtually all new inventions and technologies grow out of an understanding of physics. By studying physics students will learn valuable concepts that form the basis for many careers. They will build confidence in their thinking skills as they learn to take risks, to make good guesses, and practice new problem solving skills.

Grades: 11-12

Prerequisites: The core science classes, Algebra, Geometry or Algebra II. Chemistry is useful, but not required.

Other: 2 Trimesters

Social Studies

Course Name: Ancient Civilizations

Course Description: This course will take an in-depth look at the start of human history through the fall of the Roman Empire. It will look at the fulfillment of the basic needs of society, the specialization of labor, the great river civilizations of Egypt, India, and China and conclude with the Greeks and Romans. Attention will also be given to the early development of Africa and the Americas as well.

Course Rationale: As we seek to better understand ourselves and our society, it is best to take a look back in time to better understand how human society has developed and evolved. Too often we take for granted the ideas, inventions, and conveniences of our modern world. This course will examine these ideas and compare and contrast the societies and decisions made in the ancient world with those being made in America and the world today.

Grades: 9

Prerequisites: None

Other: 1 trimester

Course Name: World History

Course Description: This course deals with the historical, political, geographical, economic, and religious nature of the history of the world. It begins with the rise of the earliest civilizations and continues through the Vietnam Era. The course focuses on the Egyptian, Greek, and Roman cultures, and continues through the Middle Ages to the Renaissance, Reformation, Age of Revolutions, and ends with the more modern history of World War One, the Great Depression, World War Two, and the Vietnam Era. While the focus is mainly on Western Civilization, short units are devoted to India, China, South America, and Africa.

Course Rationale: World History focuses on the ideas and actions that have shaped our modern world. Critical participation in the contemporary world requires background knowledge of historical events from various perspectives, such as geography, economics, politics, and world religions.

Grades: 10

Prerequisites: None

Other: 2 Trimesters

Course Name: U.S. History

Course Description: This course continues (from eighth grade) the study of American history, beginning with Reconstruction. Using a chronological approach, students will realize how ideas and events of the past have influenced the present. The students will study the past from an American perspective, but should always be aware of the many different perspectives involved. Students will also learn how generations of Americans of very diverse backgrounds have struggled to realize the promises embodied in the Declaration of Independence and the Constitution and have been united by the values that form the American heritage.

Course Rationale: "Those who do not learn from the past are condemned to repeat it." In order to be productive citizens, students should have a basic knowledge of how our country came to be and how the decisions of many before us have helped shape our country into what it is today. By learning from the past, students, our future leaders, will be better equipped to make the decisions that will continue to influence and shape our country.

Grades: 11

Prerequisites: None

Other: 2 Trimesters

Course Name: Government

Course Description: This course is designed to give a comprehensive view of American National Government. A brief history of the development of America's system of government is used to begin the course. From there, topics include areas of government such as: political parties, voter behavior, the electoral process, mass media, and interest groups. The Executive, Legislative, and Judicial branches of government are examined and related to each other. Finally, the civil liberties and civil rights that Americans enjoy are examined and emphasized.

Course Rationale: Students must be prepared to enter the world of political and civic responsibility after high school. An understanding of American government and the political process, as well as an appreciation of the American democratic philosophy, are needed to be an active American citizen.

Grades: 12

Prerequisites: None

Other: 1 Trimester

Course Name: Economics

Course Description: This course will focus on four main components of economics. Students will be introduced to the study of the market economy, the national economy, the international economy and personal finance. Students will gain a basic understanding of fundamental constraints imposed by limited resources, the resulting choices people have to make, and the trade-offs they face. An understanding of how economies and markets work and how people function within them will also be emphasized. Finally, the concepts of benefits and costs of economic interaction and interdependence among people and nations will be studied.

Course Rationale: Understanding economics, what some people call “economic” literacy, is becoming essential for citizens in our national and increasingly interconnected world economy. Increasingly, productive members of society must be able to identify, analyze, and evaluate the causes and consequences of individual economic decisions and public policy including issues raised by constraints imposed by scarcity, how economies and markets work, and the benefits and costs of economic interaction and interdependence. Such literacy includes analysis, reasoning, problem solving, and decision making that helps people function as consumers, producers, savers, investors, and responsible citizens.

Grades: 12

Prerequisites: None

Other: 1 trimester

Course Name: Advanced Placement (A.P.) U.S. History

Course Description: AP U.S. History is a challenging course that is meant to be the equivalent of a freshman college course and can earn students college credit. This class is designed for high-achieving, goal-oriented students to help prepare them for college. It is a three trimester survey of American history from the age of exploration and discovery to the present. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing and interpretation of original documents. College credit is only earned if the student earns a qualifying score on the Advanced Placement United States History test.

Course Rationale: This course is specifically designed to

help students prepare for the Advanced Placement Exam given each spring and to prepare students for college level History courses. Critical thinking and critical reading skills as well as college level writing will help those students who intend to go to college.

Grades: 11th and 12th

Prerequisites: Instructors approval

Other: 3 trimesters

Course Name: Geography

Course Description: In this class students will study various aspects of the world. Students will investigate the requirements of a global society and will study different countries and continents so they better understand the diversity on Earth.

Course Rationale: As we continue to live in a more global society, we need to understand our place in the world. Life in global society requires individuals to be flexible, responsive, and understanding of the demands of different cultures. This course helps students become better citizens of the world.

Grade: 9-12

Prerequisites: None

Other: 1 Trimester

Course Name: Global Issues

Course Description: This course is designed to give students a better understanding of political, social, economic, and historical events and their impact on the United States and the world. Using newspapers, CNN, the internet and other news agencies and sources, students will acquire a better understanding of today's modern world and the events that impact the present and future.

Course Rationale: Being well-informed citizens is crucial in today's world. Through the study of current events, students will become more aware of the impact the nation's and world's events have on them personally. Studying current events will also develop the student's ability to make informed voting decisions as they grow older.

Grade Levels: 9 –12

Prerequisites: None; Due to the constant change in content, students would be able to take this class multiple times

Other: If taken more than once, additional courses count as an elective credit, not a social studies credit. 1 Trimester

Course Name: Sports in Society

Course Description: This course is designed to give students a better understanding of social, economic, and historical impact of sports on our society. Using the textbook, the internet and other news agencies and sources, students will acquire a better understanding of how sports have impacted our society.

Course Rationale: Sports in Society emphasizes the cultural, interactional, and structural dimensions of sports. This class encourages students to think critically about issues and controversies in sports while considering their own personal experiences, families, schools, communities and societies.

Grade Levels: 10 –12

Prerequisites: None

Other: 1 trimester

Course Name: Social Injustices

Course description: Social Injustices is a class that examines a variety of issues and topics that deal with injustices in the world. Students will first consider what a "social injustice" is by viewing a film and answering some questions and discussing their own feelings about what constitutes an injustice. Students will then read The Universal Declaration of Human Rights and identify what rights they consider to be the most important rights humans should possess. The class will then focus on the following issues: genocides, contemporary injustices, poverty and class issues, stereotypes, prejudice, and discrimination.

Course Rationale: This course encourages student discussion. Students are expected to participate, write journals, take notes, process information, and react in writing to various topics. Various teaching methods, including lecture and notes, group discussions, web search activities, and in-class and independent research will be used to help students understand the content.

Grades: 9-12

Prerequisites: None

Other: 1 trimester

Success & Independent Studies

Course Name: SAT Prep

Other: By approval of teacher and counselor

Course Description: This course is designed for the junior or senior to prepare them for the ACT test. ACT Success 12 is geared toward seniors planning to retake the ACT in October or December. The ACT Success 11 course is divided into three sections. Each section will spend four weeks in math, four weeks in English, and four weeks in science.

Course Rationale: Every junior is required to take the ACT as part of the Michigan Merit Exam in March. This course is designed to ensure that students are well prepared to take this examination.

Grades: 11-12

Prerequisites: None

Other: 1 Trimester

Course Name: Senior Integrated Project

Course Description: This course provides seniors with the tools to prepare for life after high school. Areas explored will be colleges, careers, technical programs, and trade schools. Students will work on enhancing job related documents and skills, such as resumes and interviewing skills. Students will update their Educational Development Plan and put together their senior portfolio.

Course Rationale: Everyone needs to plan for their future. This course will help ensure all seniors have a plan for after high school.

Grades: 12

Prerequisites: None

Other: 1 trimester

Course Name: Independent Study (I.S.)

Course Description: Students can take a variety of Independent Study courses. These are designed for any courses that do not fit into a student's schedule or for students to go beyond our current curriculum. These are designated with an I.S. in front of the name.

Course Rationale: There are times when a course won't fit into a student's schedule. Other times a student wants to go further within a subject. These courses are designed to support both of these.

Grades: 10-12

Prerequisites: Must register prior to the beginning of the trimester

World Languages

Course Name: Spanish I

Course Description: A two trimester course for high school students, Intro to Spanish is to be considered a basic course in the study of the Spanish language. It is basically an introduction to the Spanish language and culture. The primary focus of the course is to give students the building blocks for learning Spanish. It also gives students basic speaking abilities that will allow them to function at a lower level in a Spanish speaking country and allow them to communicate with people who speak Spanish.

Course Rationale: Intro to Spanish encompasses the basic Spanish grammar, vocabulary, reading, and culture of the Hispanic world. An understanding of the Spanish language is a great benefit since it is predicted that by the year 2010 40% of the U.S. population's primary language will be Spanish.

Grades: 9-12

Prerequisites: None

Other: 2 Trimesters

Course Name: Spanish II

Course Description: This course is designed as the follow up course to Intro to Spanish. In this course students will be furthering their understanding of Spanish grammar and increasing their vocabulary. In addition, the course will incorporate Hispanic culture, which will further help students learn Spanish. The course includes interactive dialogues, drills, conversation situations, and a variety of oral and written exercises to improve students' ability to speak, write, and read Spanish.

Course Rationale: This course encompasses a greater understanding of the Spanish grammar and a greater ability to speak, understand, read, and write Spanish. The ability to speak and understand Spanish will be a very marketable skill now and in the upcoming year. Also the ability to speak Spanish allows students to communicate with a great number of people.

Grades: 10-12

Prerequisites: Students have passed Spanish I with a C or better

Other: 2 Trimesters

Course Name: Spanish III

Course Description: This is an advanced class, which will take the students' knowledge of both grammar and vocabulary and put it into a real life situation. This class

will help hone students' abilities and give them the ability to communicate fairly fluently in Spanish. There is also a greater study of Spanish speaking countries and culture.

Course Rationale: This class will basically be a conversation class that will allow students to sharpen their speaking abilities. The ability to communicate at this level will hopefully allow students to be able to travel to Spanish speaking countries and communicate at an intermediate level.

Grades: 11-12

Prerequisites: Passed Spanish II with a C or better.

Other: 2 Trimesters

Course Name: Spanish IV

Course Description: This course will be an advanced course, which will deal with Spanish literature, history, and conversation. Literature will be taken from various countries, and history will cover Spain's history. Conversation will cover everyday life, literature, and history. The class will be conducted in Spanish.

Course Rationale: The understanding of the literature and history will give students a greater understanding of the Spanish language and culture.

Grades: 11-12

Prerequisites: Passed Spanish III with C or better

Other: 2 Trimesters

Course Name: Hispanic Culture & Food

Course Description: Hispanic Food and Culture is a combination of history, culinary arts and Hispanic culture. In this class students learn about the origin of the tortilla and follow its journey through time, learning about the history and the culture of the people who eat the tortilla. Additionally, students will take a closer look at different Hispanic countries throughout Latin America learning about their history, culture and food. Many different types of food will be recreated in a culinary arts fashion.

Course Rationale: To give students an appreciation for varying cultures of the world while providing them exposure to various foods and additional historical information.

Grades: 9-12

Prerequisites: None

Other: 1 Trimester

Courses Available Off-Campus

Jackson or Branch Area Career Centers

A qualified junior or senior may schedule vocational classes out of Jonesville High School, with the counselor's permission. Please visit their websites for more information about their program offerings. Students who wish to complete a program already offered at Hillsdale Area Career Center would be required to pay the tuition at these two Career Centers.

Hillsdale County Tech Center

CONSTRUCTION TRADES

/CONSTRUCTION MAINTENANCE

The Construction Trades program was developed in 1996 through a cooperative partnership between the HCISD and area businesses. The primary focus of the program is the building of a new home over a two year period of time. Students will be able to participate in all phases of construction; from design, to building and landscaping, to skilled trade areas; including masonry and concrete, framing, roofing, siding, landscaping, plumbing, insulation, drywall, painting and trim. Students will become acquainted with and safely use large and small pieces of power equipment, ladders and scaffolding.

Grades: 11-12

Credits: 6 Elective Credits

ENGINEERING, DRAFTING & DESIGN TECHNOLOGY

Students within the Computer Assisted Design and Manufacturing Technology program will have the opportunity to experience the "manufacturing process" from start to finish. Through a variety of "hands on", project based experiences, students will develop skills in the design, development and production of a variety of manufacturing products. Within the program, students will learn and develop both basic and advanced drafting skills. Using state of the art technology, Computer Assisted Design and graphics software, students will master the concepts of design and gain experience in the processes used in engineering and manufacturing in today's world. All finished designs will be based upon standards currently used in the manufacturing and business world.

Grades: 11-12

Credits: 6 Elective Credits

ALLIED HEALTH NURSING I & II

The Allied Health program will help students develop the foundation skills common to all health care occupations. Through a variety of hands-on and clinical instructional activities, students will develop core health care skills in medical terminology and medical math; anatomy and physiology; ethical and legal behavior; first aid and CPR; communication skills; confidentiality and human growth and development.

Grades: 11-12

Credits: 6 Elective Credits

COMPUTER INFORMATION TECHNOLOGIES

The Computer Information Technology program is for students interested in pursuing a career in the field of information technology. In the program, students will be introduced to the different aspects of information technology to determine their interests. Advanced students will be able to focus on specific areas such as: gaming, web page design, cybersecurity and other new and emerging technologies.

Grades: 11-12

Credits: 6 Elective Credits

CRIMINAL JUSTICE

The Criminal Justice/Protective Services Program was developed through a cooperative partnership between the HCISD, Hillsdale County Sheriff's Department and Kellogg Community College (www.kellogg.edu). Students within the Criminal Justice/Protective Services Program will be introduced to the American Criminal Justice System through a variety of "hands-on" activities, classroom instruction, projects and demonstrations. Students will gain insights into the system's organizational structure, components and processes, the development of legal and public policy and the interrelationship between the police, attorneys, courts and the corrections system. Individuals will be introduced, through "hands on" activities, to the skills required to perform the duties expected of protective service personnel, including personal protection, CPR/First Responder, evidence collection, crowd management, traffic control, investigation, and crime prevention.

Grades: 11-12

Credits: 6 Elective Credits

WELDING TECHNOLOGIES

Students within the Welding Technologies program will have the opportunity to explore welding theory, welding processes, metallurgy, engineering and manufacturing processes as they work to acquire the knowledge, skills, safety habits and professional behaviors necessary for success as a welder or welding technician. Students will become knowledgeable about the manufacturing process from start to finish including an introduction to Computer Assisted Drafting, blueprint reading, fabrication and engineering and production processes. Students will learn the basic scientific properties and processes for melting and combining metals together. In the Career Center's state of the art welding lab, students will learn and practice the different ways to cut and combine metals together including shielded metal arc welding (stick), gas metal arc welding (MIG), gas tungsten arc welding (TIG), thermal cutting and weld inspection. Students will become knowledgeable in the welding certification process as it relates to industry standards.

Grades: 11-12

Credits: 6 Elective Credits

Dual Enrollment

Effective April 1, 1996, Public Act 160 created the Postsecondary Enrollment Options Act, commonly referred to as dual enrollment. This law directs school districts to assist students in paying tuition and fees for courses at Michigan public or private colleges or universities, if all of the following conditions are met:

- Students are in grades 9-12
- Students can qualify for dual enrollment by taking one of the following assessments: PSAT, PLAN, ACT, or MME. For a complete list of qualifying scores, please see the counselor. Additionally, according to P.A. 160, eligible students may take courses for which there are no endorsements, such as Computer Science, Foreign Language, History, Political Science, or Psychology, as long as they have taken all sections of the MME, PLAN, ACT or College Board PSAT. State endorsement is not required in any specific area for this participation.
- Students must be enrolled in both the school district and postsecondary institution during the local school district's regular academic year and must be enrolled in at least one high school class.
- The district must not offer the college courses. An exception to this could occur if the local board of

education determines that a scheduling conflict exists, which is beyond the student's control.

- The college courses cannot be a hobby, craft, or recreation course, or in the subject areas of physical education, theology, divinity, or religious education.

Student Responsibilities: If you believe you are eligible for dual enrollment, qualify for tuition and fee support, and wish to participate, contact the counselor and get approval. The student may set up an appointment with the counselor to discuss courses that they wish to take. **If the district pays tuition for a college course and the student fails the course, the student/parents are responsible to reimburse the district for the tuition and fees paid on behalf of the student. All books associated with the selected course are the student/parents responsibility. The school will not pay for them.**

Hillsdale County Early Middle College –HCEMC

Hillsdale County Early Middle College was founded in 2017 as a collaboration of the Hillsdale County ISD, Hillsdale County School Districts, and Jackson College. Its mission is provide an extension of the Postsecondary Enrollment Options Act (PA 160 of 1996) and the Career and Technical Preparation Act (PA 258 of 2000), designed to offer students the opportunity to earn a high school diploma and at the same time, either an Associates Degree or transferrable college credits, the Michigan Early Middle College Association (MEMCA) technical certification, or an industry-recognized certificate, through an additional fifth year of study. Information about the program is as follows:

- Students are in grades 11, 12, 5th year of high school
- Students must declare themselves as an EMC student prior to beginning the 11th grade
- To be on time graduates, students (earning less than 60 transferrable credits through their fifth year), must have completed each of the following:
 - The State of Michigan high school graduation requirements
 - A member school's MEMCA approved College Readiness Curriculum
 - A minimum of 15 college credit hours (nonremedial courses)
- Students must complete one of the following options:
 - 100 hours of verified community service
 - A minimum of 40 hours of verified career exploration, internship, job shadowing, or clinical experience

- A combination of the two that equals 70+ hours

The MEMCA certificate provides verification among the Michigan Department of Education, the school district, and the higher education partner that the graduate has completed the above requirements.

Student Responsibilities: If you and your parent(s)/guardian believe you are eligible for HCEMC, qualify for tuition and fee support, and wish to participate, contact the counselor and get approval. The student's Educational Plan (EDP) must reflect the 5th year of instruction and is signed by the student, the parent, and school official. **If the district pays tuition for a college course and the student fails the course, the student/parents are responsible to reimburse the district for the tuition and fees paid on behalf of the student. All books associated with the selected course are paid for by the school district.**

Work Based Learning

The term Work-Based Learning means sustained interactions with employers or community professionals in real workplace settings, to the extent practical, or simulated environments at an education institution (Hillsdale County Career Center, Litchfield Regional Training Center, Branch Area Career Center) that foster in-depth, first hand engagement with tasks required of a given career field, that are aligned to curriculum instruction, and CTE Program standards. Students may be required to complete an Edmentum Tri3 Career Skills or similar course online in conjunction with the work based learning. WBL students are required to fill out application packets available from the counselor and/or coordinator and may have already aligned themselves with a professional or business with whom they desire to learn/work. Students will participate in completing appropriate WBL documentation which must be on file including training plans/agreements and timesheets that must be maintained pursuant to prescribed retention scheduled in compliance with the MDE Pupil Accounting Manual. A pupil is allowed not more than 24 hours of work per week while school is in session, unless 18 years or older. All child labor laws shall be followed. Safety related training (OSHA 10 or similar) must be completed and typical personal protective equipment must be worn/utilized as appropriate while engaged in work activity. Career Readiness WBL experiences are subject to pre-employment site reviews and on-going field audits to ensure that new employee orientation training, safety measures (machine guarding, fire extinguishers, etc.), and first responder systems are meaningful and appropriate.

Course Rationale: This course encourages students to become practiced with the interaction of social skills and of the work in selected fields of interest. Students must be placed in a WBL experience that matches their Educational Development Plan (EDP) and career interests.

Grades: 11-12

Credits: up to 6 elective credits per year

Students Desiring Academic Challenges

Advanced Placement Courses

Jonesville High School offers Advanced Placement (AP) courses in English (p. 9), Calculus (p.16), and U.S. History (p.22). The Board of Education has adopted policies that allow students to take the challenging courses under a 5 point scale due to the difficulty of the course work. Jonesville Community Schools also pays for all of the AP testing so there is no cost to the student. If the student desires the 5 point scale, they must take the AP exam. AP scores higher than a three **may** earn students college credit. These courses are excellent preparation for post-secondary education.

Independent Studies

Students who have an interest in a specific area of study that is not part of a course offered at Jonesville High School can present their idea for an independent study to a teacher certified in that subject matter. If the teacher agrees that it is a worthwhile endeavor and is willing to supervise the study, the student may take independent study for credit. A detailed presentation is required at the end of the independent study to the principal, counselor and other faculty as desired.

Michigan Virtual University

The Michigan Virtual University catalog can be accessed at michiganvirtual.org/courses/students.

Students wishing to take a course through Michigan Virtual need to get approval from the counselor. It is important that the chosen course is suitable for the student and that the student will be able to meet all graduation requirements required by Jonesville High School.

Virtual Learning

The Jonesville School District has a contract with Edmentum and are able to offer a wide variety of courses to students seeking a challenge or an expansion of the standard curriculum. The Edmentum catalog can be accessed at www.edmentum.com. Students wishing to take Edmentum courses need to get approval from the counselor. It is important that the course is suitable for the student and that the student will be able to meet all Jonesville High School graduation requirements.

Dual Enrollment

Students may choose to take a college course that is not available at Jonesville High School. Most students take courses at Jackson College, but dual enrollment can be earned through other colleges as well (i.e., Washtenaw Community College, etc.). Please see the Dual Enrollment section (p.27) of the Course Catalog to find out more information about the process.

Testing Out

In order to show knowledge and advance through the curriculum to more difficult choices, students have the ability to test out. If the student is interested in testing out of a course, they must contact the building principal. If the student passes the final exam with a C or higher, they will earn the credit for the course.