

ART COURSE DESCRIPTIONS

INTRO 2-D DESIGN

This course is a foundation class exploring a variety of materials and techniques used in drawing, painting and design art processes. Students will develop their ability to use elements and principles of design to create expressive qualities in their artwork. This is a general art class designed for all students.

CERAMICS

This is a course exploring clay as a medium of artistic expression. Students will use various hand building and ceramic decoration processes and will be introduced to wheel throwing techniques. Students will be introduced to the use of kilns and the firing process. (Prerequisite: Intro 2D)

ADV CERAMICS 2-4

This course is for all students who want a more in-depth experience working with clay. Students will use hand building and wheel techniques in more expansive ways. Greater concentration on decorative processes including slips and glazes will be encouraged. This class may be taken more than once for additional credit. (Prerequisite: Ceramics.)

DRAWING / PAINTING

This course is an intermediate course in two-dimensional art. Students will work with a broader range of processes building upon their Introduction Drawing/Painting experiences. A variety of techniques using various materials of the artist will be explored. (Prerequisite: Intro 2D)

ADV DRAWING / PAINTING 2-4

This course is for all students who want a more in-depth experience in two-dimensional art. Students will use their prior art experience to develop a theme or concentration in their artwork. Emphasis will be placed on developing subject matter as well as improving techniques. Students will be shown how to organize a portfolio of their work. This class may be taken more than once for additional credit. (Prerequisite: Drawing/Painting)

JEWELRY & METALSMITHING

Students will learn the basic techniques necessary to create jewelry as sculpture. A variety of materials will be used in this class such as clay, copper, brass, beads, wood, and other natural materials.

(Prerequisite: Intro 2D)

ADV JEWELRY & METALSMITHING 2-4

This course is geared at the refinement of previously learned skills and techniques used to create jewelry as sculpture. While a variety of materials are still used in the production of the course work, more emphasis is placed on the use of metals and on the further development of metal techniques, skills, and inspiration. (Prerequisite: Jewelry & Metalsmithing)

PHOTO

The purpose of this one-semester course is to teach the basic concepts of black and white photography and to open a new field of exploration for the individual students. The very basics in photographic chemicals, papers, and films will be provided. In addition to these, each student must supply their own 35mm camera. The history of photography, its chemical process, the care of the camera, and many photo techniques will be explored. The basis of the course, however, will be communication skills through the use of photography and the written word. (Prerequisite: Intro 2D)

ADV PHOTOGRAPHY 2-4

The purpose of this one semester course is to continue to discover the basic concepts of black and white photography presented in Photography 1 and to present more advanced techniques in both darkroom and camera skills. Students will explore such topics as the use of filters, lenses, dodging and burning, tinting, hand coloring, photomontage, sandwich printing, the photo essay, available light photography, giant enlargements, dry and wet mounting, vignetting, and many other exciting ideas. The very basics in photographic chemicals, papers, and films will be provided, but the students can expect that they will need to supplement these supplies with additional purchases on their own. In addition to these, students will be expected to supply their own 35mm camera. The basis of the course, however, will continue to be communication skills through the use of photography and the written word.

(Prerequisite: Photo)

BUSINESS COURSE DESCRIPTIONS

ACCOUNTING

Students learn accounting procedures and concepts as they are used in business covering the complete accounting cycle. With the growth of small businesses, it is necessary that students be competent in basic accounting. Students will also use computers in applying accounting skills. This course meets the Co-op concurrent class requirement and is aligned with the State's MDCD Business, Management, Marketing, and Technology (BMMT) curriculum. Students will be encouraged to be a member and compete using their learned skills in Business Professionals of America (BPA), the State-recognized business organization.

COMPUTER APPLICATIONS

This course is a review of computers and technology in business. Using Microsoft Office, students learn how to create a word processing, database, spreadsheet, and presentation (PowerPoint) documents and use the internet responsibly. This course meets the district's "computer" graduation requirements and the State's online requirement.

CO-OP & WORK EXPERIENCE (NON CTE-WORK BASED LEARNING

The goals of this program are for seniors to explore career options, teach employability and technical skills, and develop a sense of personal responsibility. The student will gain occupational hands-on skills, foster a mindset to show initiative, and relate academic and technical class learning to the job. The student's employment should provide alignment with the student's career pathway and educational development plan. The student is released from school 1 or 2 hours to work in a qualifying job in the local community. The class is for seniors only.

INTRO TO BUSINESS

Students will learn valuable skills to obtain and keep a job in pursuit of a successful career path. Types of business resources from a consumer's point of view will be covered. Office procedures, management, and basic economic principles will be presented. In addition, skills using computer hardware, software, and other office equipment will be developed.

INTRO TO MARKETING

This course prepares the student for entry level careers in retail marketing. Students complete competencies in merchandising, sales promotion, store operations, finance and inventory control, human resources and functions of retail marketing. Students also learn employability skills that enable them to find jobs in the retail marketing industry. Communication skills are also developed. This course is aligned with the State's MDCD Business, Management, Marketing, and Technology (BMMT) curriculum. Students will be encouraged to be a member and compete using their learned skills in DECA, the State-recognized marketing organization.

INTRO TO WEB PAGE DESIGN

Successful businesses today must operate in the global economy and have a presence on the Internet. Students learn to design and maintain creative web pages for personal and business applications. This will be accomplished by learning general design concepts and the process of developing a Website from sketches to publishing. Then students will gain considerable "hands on" computer experience using Web development tools. This experience will be gained using the Macromedia Suite which includes Dreamweaver, Fireworks, and Flash. This course will also include an explanation of networks, learning basic HTML along with also learning the vocabulary of the World Wide Web.

MULTI-MEDIA

Students learn advanced features of PowerPoint and gain extensive experience using Microsoft Publisher. This class is project-oriented and students have the ability to create projects on topics of interest to them. Digital images, art, graphics and sound are incorporated into computer projects to produce dynamic results. Macromedia Fireworks and Flash are learned in order to produce attractive presentations. All programs used will be incorporated to create a spectacular final project.

PERSONAL FINANCE

Students learn financial skills necessary for life after high school and successful independent living. Topics include budgeting, buying decisions, managing credit, investment options, stock market, and applying math for daily living. Students learn basic payroll calculations and deductions and additional job benefits, as well as preparation of the federal 1040 EZ.

BERRY CAREER CENTER COURSE DESCRIPTIONS

Students at MBCC can choose from Career and Technical Education Programs in Business, Design Technology (Drafting, Software or Design Concepts), Medical/Health (Allied Health, Dental Assisting, Medical Assisting and Sports Med/Rehab) or Restaurant Hospitality. Please visit the Berry Center website for information regarding their programs of study and specific course offerings. <http://berry.dearbornschools.org/Programs>

BILINGUAL COURSE DESCRIPTIONS

ELL 1A, 1B

This level is specifically designed for literacy/beginning level students. The program introduces the basics of American culture to students at the basic level with limited or has no English proficiency. Students will be using the texts: Visions and English Yes which will focus on reading a variety of genres, writing, listening, speaking and viewing based on a variety of themes. PLACEMENT: Entering students are evaluated by staff for proper assignment in these ability levels: English Literacy to Transitional.

ELL 2A, 2B

Students who are not native speakers of English may take advantage of the English-as-a-Second Language courses. These classes offer instruction in English and serve to help the student with limited English language skills progress into the regular curriculum. Students will be using the texts: Visions and English Yes which will focus on the reading a variety of genres, writing, listening, speaking and viewing based on a variety of themes. Students will demonstrate familiarity with world literature, including authors beyond American and British literary traditions. PLACEMENT: Entering students are evaluated by staff for proper assignment in these ability levels: English Literacy to Transitional.

ELL 3A, 3B

These introductory English courses will continue the sequence of the 7th and 8th grade in literature, grammar and composition. All readings will be chosen to accommodate the reading level of ESL students and incorporate elements of the American culture and historical background. Emphasis will be placed on elements of the short story, novel and drama in an elementary but comprehensive manner. Several texts as well as hardbound and paperback books will be utilized to acquaint the student with these genres. Grammar, vocabulary, punctuation, diction and usage, spelling syntax, sentence and paragraph development will be an integral part of the first semester program.

ELL 4A, 4B

This course emphasizes writing skills. Students will learn the elements of essay writing in a variety of modes: descriptive, personal, comparison/contrast, cause/effect, persuasive and argumentative. Composition will be supplemented by the study of several novels, which have similar themes (e.g., *The Miracle Workers*, *To Kill a Mockingbird*...). Students will examine and write about such elements of literature as plot, setting, characterization, point of view and theme.

DEARBORN CENTER FOR MATH, SCIENCE AND TECHNOLOGY (DCMST)

The Dearborn Center for Math, Science and Technology is a community of learners sharing a high interest and achievement in math and science. Students attend the Center for three class periods each day and complete the remainder of their academic schedule at their home school. This challenging four-year program provides enrichment and acceleration through a hands-on problem-solving approach that integrates computer applications with math and science. Students can individualize their program by choosing a problem for advanced research and by enrolling in college courses in their junior and senior years. Admission is by a competitive selection process. <https://dcmst.dearbornschools.org/>

FAMILY & CONSUMER SCIENCE COURSE DESCRIPTIONS

HEALTH

This course is a one-semester class focusing on you, your level of health and the way you live. The topics covered are: disease prevention and control, personal health practices, nutrition, growth and development, family health practices, nutrition, growth and development, family health, emotional and mental health, substance use and abuse, consumer health, safety and first aid education, and community health. By applying what you learn to your own health, you can take a more active role in caring for your well-being.

INDUSTRIAL ARTS COURSE DESCRIPTIONS

AUTOMOTIVE TECHNOLOGY 1

Automotive 1 is designed to introduce the student to the technology, safety, system and careers related to the engine and the automobile. Stressing theory and knowledge through readings and research this course is a required prerequisite to the other automotive courses.

AUTOMOTIVE ENGINE ELECTRONICS 3

This course will provide the student with advanced knowledge about vehicle electrical systems. Students will also gain experience diagnosing electrical system problems. Emphasis is placed on job level skill development and to assist the student in developing the ability to take the State of Michigan Auto Mechanics Certification Test for automobile electrical repair. The duration of this course is two hours per day for one semester. (Recommended prerequisite: Auto 1)

AUTOMOTIVE ENGINE PERFORMANCE SERVICE 4

This course provides the student with the opportunity to develop the knowledge and skills to diagnose and service major engine mechanical problems including complete engine rebuilding. Emphasis is also placed on developing the ability to take the State of Michigan Engine Repair Mechanic Certification Test. The duration of this course is two hours per day for one semester.

AUTOMOTIVE BRAKES / STEERING TECH 5

This course provides the student with the opportunity to develop the knowledge and skills to diagnose and service brake and suspension systems on passenger cars and light trucks. Emphasis is placed on job level skill development. This course will assist the student in developing the ability to take the State of Michigan Brakes and Suspension Mechanic Certification tests. The duration of this course is two hours per day for one semester.

ADVANCED AUTOMOTIVE SERVICE 6

This course provides the student with the opportunity to develop hands-on experience simulating real-world employment in an automotive technology service facility. Employability skills as well as technical skills are emphasized. Diagnosis of drivability problems and review of instruction from previous courses are included. The duration of this course is two hours per day for one semester.

WELDING TECHNOLOGY 1

This course is designed around the students interests in metal working. Topics include: gas welding, arc welding, plus metal lathe work, metal grinding and machine cutting of steel, hand tools and their use in metals as well as metal fabrication techniques.

WELDING TECHNOLOGY 2

The purpose of this course is to enhance the skills that were developed in Weld Tech 1. This is to be accomplished by increasing the criteria and standards for integrated manufacturing which includes both welding as well as machine tool operations.

WOOD TECH 1, 2

Wood Technology 1 is an introduction to materials, tools, machines and the procedures involved in the processing of materials used in industrial technology. Employment, safety procedures, measurement, design, hand tool usage, basic machinery, finishing and environmental concerns will be the focus of the course. Course instruction will center on materials and processes involved in product design and product manufacturing. Wood Technology 2 will also emphasize occupations, safety, hand tools, hand power tools, machines, design, problem solving and environmental concerns. Exercises in gross and fine motor skills will be performed as projects become more challenging. Students will solve math and geometry problems. Science topics will be covered as they relate to material processing.

WOOD TECH 3, 4

Wood Technology 3 Cabinetmaking and Casework is an advanced class for students serious about woodworking as either a career, or to gain experience and skills for home improvement projects. The main focus of the course is the design, construction, finishing and installation of cabinetry and casework. The course will cover employment, safety, blueprint reading, heavy machine operation, laminating, and new product technology. (Recommended prerequisite: Wood Tech 1-2)

LANGUAGE ARTS COURSE DESCRIPTIONS

LANGUAGE ARTS 1, 2

This required 9th grade course combines an introduction to the major literary genres of short story, poetry and drama with the study of basic writing skills of paragraph development and essay assessment. Writing assignments include personal and expressive writing, description, narration, exposition, persuasion, observation and reporting. Additionally, students keep a journal and are instructed in spelling, vocabulary, punctuation and grammar skills in a manner which integrates these skills with the writing process.

HONORS LANGUAGE ARTS 1, 2

This program combines an in-depth broad scope study of short story, poetry, essay, drama and novel as well as practice in refining writing skills. Students will demonstrate written advanced vocabulary, syntax and stylistic variety by the introduction of forms of diction, rhetoric, logic and voice. Extensive writing assignments will include narrative, causal analysis, persuasion, comparative analysis and a variety of composition assignments inclusive of an extended research paper. Multiple themes, philosophical basis, historical/social implications and relevance will be presented through class discussion, oral presentations and group projects. Students will be responsible to complete numerous independent enrichment readings as well as class assigned novels. Critical thinking and independent working styles will be stressed for future enrollment in AP course work. Students will be assessed and evaluated as to their writing and reading achievement. (Recommended prerequisite: Reading and writing above grade level as demonstrated by standardized test scores)

LANGUAGE ARTS 3, 4

This required 10th grade course emphasizes writing and reading skills. Students will learn the elements of essay writing in a variety of styles in response to literary selections. Writing and reading assignments will gain complexity in development and style in response to various classic novelists as well as a survey of short stories, poetry and drama. In addition to the anthology, 3 novels will be studied each semester and written assignments will analyze the elements of fiction, drama and expository writing. A research paper will be written and assessed.

HONORS LANGUAGE ARTS 3, 4

This course provides the methodology and advanced skills necessary for future completion of AP Course work. Literature will include a broad range of authors of various genres and historical periods. Discussion and projects will examine and analyze not only literary elements and components but also correlate the relevance of historical literature to contemporary concerns, problems and events. Course preparation will include study of an anthology of selected short stories, poetry, drama and essays in addition to novels and independent enrichment reading of additional works that will be presented in both oral and written presentations. Written assignments will include extensive analysis of diction, rhetoric and logic while utilizing various styles of advanced vocabulary and voice. Students will be responsible for a portfolio of a minimum of 10 extended essays and one major research project utilizing numerous exposition styles and formats. Time management, independent work skills and critical thinking will be stressed as students are assessed as to their writing and reading achievement. (Recommended prerequisite: Reading and writing level above grade level as demonstrated by standardized test)

LANGUAGE ARTS 5, 6

This required 11th grade course traces the development of American Literature from the 1600's to the 21st century. Study will include the Colonial, Revolutionary and Romantic Periods of American writings, essays and novels. Various styles, genres, opinions and ideas of American authors will be presented for class discussion, writing assignments and projects. Classical literature as well as correlating contemporary non-fiction writing will be studied in conjunction with historical relevance of socio-economic, political and artistic issues of the different eras. Students will actively engage in various written analyses, oral presentations and an extensive research paper in response to a variety of American Authors, poets, essayists and dramatists.

LANGUAGE ARTS 7, 8

This required 12th grade course is a comprehensive study of English/World literature from the Ancient, Medieval, Renaissance, Restoration and Romantic Periods to the beginning of the eighteenth century. Students will read various genres inclusive of drama, morality play, epic, poetry, essay and correlate the historic, social and cultural significance of the literature to the events, people, philosophy, rhetoric and ethos of the time period. Students will be required to write personal reflective, persuasive, synthesis, comparison/contrast and evaluative responses to the readings as well as commit investigative research with focus on critical examination, logical thought development and the necessary use of textual support of ideas. The course will emphasize the universality of cultural/social/inter-personal themes as they apply to today's world through investigative reading, discussion, research and writing.

AP ENGLISH LANGUAGE / COMPOSITION

The AP course in English Language and Composition will assist students to become skilled readers of college level essays, narratives and prose written in a variety of periods, disciplines, and rhetorical contexts. This college level course will also give students the practice and helpful criticism necessary to make them flexible writers who can compose in a variety of modes and for a variety of purposes. Both their reading and their writing will make them aware of the interaction between authorial purpose, audience needs, the subject itself, generic conventions, and the resources of language: syntax, word choice and tone. Extensive writing assignments will be designed to make students mature writers who will be able to write competently at the college level and be successful on the AP Exam. The course will emphasize expository, analytical and argumentative essays inclusive of an extensive research paper. (Recommended prerequisite: B or better in Honors Language Arts 1-4 or recommendation of teacher)

AP ENGLISH LITERATURE / COMPOSITION

In this course, students will actively engage in the careful reading of advanced college level literary works. Through such study, students will sharpen their awareness of language and understanding of the writer's craft. Students will develop critical standards for the independent appreciation of literature and

will increase sensitivity to literature as a shared experience. To achieve these goals, students will study the individual work, its language, characters, action and themes. They will consider its structure, meaning and value, and the relationship to contemporary experience as well as the times in which it was written. Students will be involved in both the study and practice of writing and the study of literature. They will learn to use the modes of discourse and recognize the assumptions underlying various rhetorical strategies. Through speaking, listening, reading and writing, students will become more aware of the resources of language: connotation, metaphor, irony, syntax and tone. Writing assignments will focus on the critical analysis of literature and will include essays in exposition and argumentation. The desired goals are the honest and effective use of language and the organization of ideas in a clear, coherent and persuasive manner. (Recommended prerequisite: B or better in AP English Language and Composition)

CREATIVE WRITING 1

This writing course instructs the process of creating the literary forms of short story and poetry. Individual interest and talent will determine the writer's major area of concentration. Students will create a variety of writings based on personal journal entries and literary readings. Mechanics, vocabulary and syntax will be studied to enhance the creative process.

FILM STUDY 1

This class will examine the history and development of film from the 1900's to the present. Study will include film style, social relevance, propaganda, entertainment and historical value, societal effect in relation to the dynamics of American cultural development. Students will research, critique, and analyze various film genres through class discussion, written and oral presentations, and various creative projects of differing focus. Readings will include materials pertaining to the various film presentations. Parents and students should be aware that PG and PG-13 films that have met the DHS administration's approval will be shown. Students who are not allowed to view these films should not take this course.

FILM STUDY 2

This class is a continuation of Film Study 1 and will examine the history & development of film from 1940 to current date. In depth analysis, will include a research project and written presentation that examines the themes, cultural and historical relativity, profundity levels, media influence and the effects of the film industry upon personal and societal group behaviors. Class discussion, group and individual oral and written presentations will be assigned throughout the semester. Readings will include supplementary materials that correspond to the various film presentations. (Prerequisite: Film Study 1)

SPEECH

This course presents the various facets of writing, listening and speaking through the study and presentation of speeches, discussion, debate and oral interpretation. Students will research and write outlines, essays and critiques based on class presentations and projects.

YEARBOOK

This course is primarily a student-operated, advisor-directed production class. Students design and produce the school annual (yearbook). Students learn various skills of design, layout, copy writing, editing, graphic art skills, desktop publishing, digital and 35 mm photography, sales, product promotion, accounting, advertising, budgeting and inventory. Students should have a working knowledge of computers, have a strong sense of time commitment and be able to work both independently and in group projects.

MATHEMATICS COURSE DESCRIPTIONS

ALGEBRA 1

Topics covered include algebraic, graphical, and numerical representations of algebraic expressions and functions. The primary focus is the study of the properties of real numbers, linear functions, systems of linear equations and inequalities, exponential functions, quadratic functions, polynomials, and factoring. Techniques of problem-solving and applications are included throughout the course.

GEOMETRY

Geometry students examine the properties of two- and three-dimensional objects. Proof and logic, as well as investigative strategies in drawing conclusions, are stressed. Properties and relationships of geometric objects include the study of: (1) points, lines, angles and planes; (2) polygons, with special focus on quadrilaterals, triangles, right triangles; (3) circles; and (4) polyhedras and other solids.

HONORS GEOMETRY

This class covers the same concepts as Geometry, however, at a faster pace and in greater depth.

ALEGBRA 2

Algebra 2 is a second-year algebra course. Topics covered include algebraic, graphical, and numerical representations of algebraic expressions and functions. The primary focus is the study of rational functions, exponential functions, logarithmic functions, and inverse variations, conic sections (circles, parabolas, ellipses, and hyperbolas). Techniques of problem-solving and applications are included throughout the course. Graphing calculators will be used.

HONORS ALGEBRA 2

This course covers the same concepts as Algebra 2, however, at a faster pace and in greater depth. However, the study of trigonometry is also included (right triangle trig, unit circle, radian measure, trig identities, trig equations, law of sines, and law of cosines).

PRE-CALCULUS

This is a two-semester sequence. The incorporation of graphing technology into this course better prepares students for further study in mathematics and science, e.g. calculus. This calculator based graphing approach allows a greater emphasis on solving real world problem situations modeled by the 12 Basic Functions.

STATISTICS

This is a two-semester course to be taken after Algebra 2. Statistics is an activity/project-based class. Students will generate their own questions and gather their own data through interviews with family, neighbors, students and teachers. They will keep track of their responses, make observations, and draw their own conclusions. Students will learn how to organize and analyze the data they have gathered, how to write their own reports using Excel and Power Point and how to present them orally. Knowledge of Excel and Power Point will be expected. Students will learn about measures of central tendency (mean, standard deviation, etc.), explore univariate and bivariate data, and how to interpret variation within one data set and between multiple data sets. Students will learn how to design questions, run samples, recognize potential difficulties in various sampling methods, assess validity of conclusions, and recognize bias. They will further understand the importance of treatment and control groups, replication, and randomized block studies.

AP CALCULUS AB

AP Calculus (AB) is comparable to two-thirds (20 weeks) of a year of college calculus. Topics covered include: analysis of graphs, limits of functions, asymptotic and unbounded behavior, continuity as a property of functions, derivatives (at a point, as a function, applications and computation of, also second

derivatives), Riemann sums, interpretation and properties of definite integrals, applications of integrals, Fundamental Theorem of Calculus, techniques of antidifferentiation and numerical approximations to definite integrals. Students must express solutions graphically, numerically, analytically, and verbally. Graphing calculators will be used extensively. In order to be successful, students need a thorough understanding of Algebra and Trigonometry. (Recommended prerequisite: B or better Precalculus)

MUSIC & THEATRE COURSE DESCRIPTIONS

CHORUS

A non-auditioned co-ed class geared for a beginning singer, who in most cases is being exposed to high school vocal music for the first time. This class should be taken by incoming 9th graders but opened to any grade level. No experience necessary! Learning vocal technique and basic musicianship skills are the basis of this class. This group performs at major concerts during the year.

CONCERT & MARCHING BAND

All 9th grade students who were members of their middle school bands are eligible. Students must have their own instruments (tuba, baritone, percussion) will be supplied by the school when available. No beginners are admitted to this group. Attendance is mandatory at all rehearsals, concerts, football games and parades.

ENSEMBLE

Men's Ensemble is a group of selected male singers who wish to receive more singing experience than Chorus. This class features pop as well as classical music. Music theory and sight reading is also taught. Men's Ensemble sings in outside performances that serve the community as well as regularly scheduled concerts at Dearborn High. (Prerequisite: permission of instructor)

INTRO TO THEATRE

This course presents an introduction to the world of theatre focusing on its many different areas. Students will study the history and development of costume, make-up, lighting and properties design while viewing the process of play production inclusive of auditions to opening performance. Students will read plays of various style, period, form and setting written by a wide range of dramatists and

comedians and memorize a variety of dialogues, monologues and other scripted material. Written compositions of analysis, comparison, contrast, evaluation, synthesis and critique will be assigned as well as various recitations, presentations and projects. Students are encouraged but not required to participate in extra-curricular theatre programs.

ORCHESTRA

All students who were members of their middle school orchestra and play the violin, viola, cello and bass are eligible. Violinists must own a violin. Violas, cellos and basses will be provided by the school when available. Attendance is mandatory at all rehearsals and concerts.

PIANO 1 - 2

No previous musical experience is required for Piano 1. Piano 2, however is for students who have completed/tested out of semester 1 in Piano. Students will receive written music theory skills and their applications at the keyboard in the keys of F major, G major, C major and their relative minors. This material will include chords, scales and songs in these keys. Their class time will be divided into two portions: written/lecture and practice time. All material presented can be mastered during class time; a piano at home is not required. A consumable piano theory workbook is required and students will assume responsibility of any damage towards the piano or headphones.

PIANO 3-4

In this advanced piano class, students will progress toward the development of technique and knowledge required to play in all the most frequently used keys. Students in 3 most typically will play in book 2 with more advanced keys. A theory book is also required. Students in Piano 4 will proceed to book 3 in which they will be playing a simplified version of the great masterworks of piano literature. Students also will assume responsibility to payment or replacement of damage piano or headphones.

THEATRE PERFORMANCE

This performance-based course focuses on the participation and experience of theatre performance from the perspective of both the actor and the director. Through the use of classical and contemporary monologues, scene work, improvisation, theatre games, vocal techniques and the rehearsal process, students will experience the full process of stage performance in a variety of participatory oral presentations. Students will write narratives, critiques and essays based on the theatre/drama environment and experience. Students will be required to participate and perform in various school productions as both performers and support crew throughout the year as scheduled by the theatre department. A grade of B- or better must be earned for the class to fulfill the speech credit requirement

of Language Arts. Students may select this course more than one semester for additional elective credit. (Recommended prerequisite: Introduction to Theatre)

PHYSICAL EDUCATION COURSE DESCRIPTIONS

PE / HEALTH 9

Individual sports, team sports, and fitness are components of both semesters. Understanding why exercise is vital to good health will be practiced and emphasized. Fitness testing (Dearborn Public Schools – 7 fitness tests) will be a component of both semester of PE/Health. Students will have the opportunity in class to practice and improve upon their flexibility, agility, cardiovascular endurance and strength in preparation for the testing as well as developing and maintaining personal physical health. A health unit, as mandated by the State of Michigan, will be held in each of the two semesters. The program will consist of the following topics: conflict resolution, nutrition/diet, substance awareness, and problems solving. Swimming is a requirement of PE/Health 9.

REC SPORTS

During the first semester, students will have an opportunity to improve their strength and fitness, volleyball and tennis skills and participate at a more competitive level. Individual and team techniques of power volleyball and tennis will be taught and utilized in game situations

SPORTS TECH

During this course, the student will participate in weight-lifting, agility, conditioning and skilled development drills aimed at furthering his/her skills as an athlete. To emphasize the responsibilities associated with the “student athlete” the NCAA clearinghouse requirements, and college admissions procedures will be covered.

TEAM SPORTS

Floor hockey, touch football, softball, basketball, volleyball, team handball, speedball, soccer, lacrosse, and water polo are possibilities. Facility and equipment availability as well as student interest will determine specific sports to be covered during the semester. Students will have the opportunity to improve their level fitness.

WEIGHT TRAINING AND AEROBICS

Students will have an opportunity to continue an exercise program using step aerobic dance, resistance bands/tubing, running, flexibility training, rope jumping, etc. With the instructor’s help, each student

will be able to work at their own rate of progress. Students will design a personal fitness program as a part of the course requirement. This course may only be taken once. (Required prerequisite: completion of 2 semesters PE/Health 9)

SCIENCE COURSE DESCRIPTIONS

ANATOMY AND PHYSIOLOGY

This is an advanced elective biology course designed for students who are interested in any medical related field, veterinary medicine, or physical education. Course work places emphasis on the anatomy and physiology of the human body. Dissection of a rat will play an integral role in the class. High recommended to take class prior to AP Biology or concurrently. (Recommended prerequisite: Biology and Chemistry)

BIOLOGY

This is a year-long, freshmen level, activity based, laboratory course. The course investigates the essential and core content expectations for biology. Topics include organization and development of living systems, interdependence of living systems and the environment, genetics, and evolution and biodiversity. HONORS BIOLOGY 1, 2 This is a year-long, freshmen level, activity based, intensive laboratory course. The course investigates the essential, core and recommended content expectations for biology. It is intended for college preparatory students who plan in entering a science or technical field of study in college. Topics include organization and development of living systems, interdependence of living systems and the environment, genetics, and evolution and biodiversity.

CHEMISTRY

This is a one-year lab-based course offered as a two-semester sequence. The course investigates the essential and core content expectations for chemistry. Topics include forms of energy, energy transfer and conservation, properties of matter and changes in matter.

FORENSIC SCIENCE

This is a lab-based class offered to students who have successfully completed two years of science. Students must understand and practice proper laboratory techniques. First semester course work will include an overview of forensic science, crime scene, investigation, fingerprint analysis, document analysis, blood analysis, hair and fiber analysis, and ballistics. Students will also be required to do research and prepare a power point presentation on a career in forensic science. Second semester course work will include an overview of the crime lab, glass analysis, impressions and prints, DNA, toxicology, anthropology, entomology, soil analysis, explosives and arson, and death and decomposition.

Students will also be required to do research and prepare a power point presentation on a high profile criminal case that was solved using forensic science techniques learned in class (Recommended prerequisites: successful completion of two years of science, preferably Biology and Chemistry)

HONORS CHEMISTRY

This is a one-year intensive lab-based course offered as a two-semester sequence. The course investigates the essential, core and recommended content expectations for chemistry. It is intended for college preparatory students who plan on entering a science or technical field of study in college. Topics include forms of energy, energy transfer and conservation, properties of matter and change in matter.

PHYSICS

This is a one-year course offered as a two-semester sequence. The course investigates the essential and core content expectations for physics. Topics include motion of objects, forces and motion, and forms of energy and energy transformations.

HONORS PHYSICS

This is a one-year intensive course offered as a two-semester sequence. The course investigates the essential, core and recommended content expectations for physics. It is intended for college preparatory students who plan on entering a science or technical field of study in college. Topics motion of objects, forces and motion, and forms of energy and energy transformations.

AP BIOLOGY

This course will prepare students to successfully complete the Advanced Placement Examination in Biology. Textbooks and laboratory sessions are designed to cover the range and depth of college level Biology and will provide students with the conceptual framework, factual knowledge and analytical skills necessary to react critically in scientific procedures relevant to Biology, inclusive of: Molecules and Cells; Heredity and Evolution; and Organisms and Populations. Students will study scientific process, inquiry, and recognition of unifying themes, critical analysis and practical applications in laboratory settings. Critical, evaluative analysis both in writing and research assignments will be based on information and formats delegated by the College Board.

AP CHEMISTRY

This course will prepare students to successfully complete the Advanced Placement Examination in Chemistry. Textbooks and laboratory sessions are designed to cover the range and depth of college

level Chemistry and will provide students with the conceptual frame work, factual knowledge and analytical skills necessary to react critically and express ideas, both oral and written with clarity and logic in terms of scientific procedures relevant to Chemistry inclusive of: the structure of matter; kinetic theory of gases; chemical equilibrium; chemical kinetics; and, the basic concepts of thermodynamics. The AP Chemistry course includes topics that emphasize chemical calculations, mathematical formulation of principles and laboratory procedures.

AP ENVIRONMENTAL SCIENCE

This class is designed to give students an in-depth look at various facets of the earth. Students will study and provide solutions for environmental problems. Requirements and activities include field study, lab data testing, analysis, research and experimentation design in a variety of experiential settings, and formats. Students will be provided the concepts and methodologies needed to understand the complex interrelationships of the natural world. The goal of the course is to have students identify and analyze environmental problems, evaluate the relative risks associated with these problems, and to examine alternative solutions for resolution and/or prevention. AP Environmental Science is an interdisciplinary course, which incorporates science, economics, geography, and math.

AP PHYSICS

This course will prepare students to successfully complete the Advanced Placement Examination, Physics B, and provide a systematic introduction to the main principles of physics emphasizing the development of conceptual understanding and problem-solving ability using algebra and trigonometry. Students will utilize the basic ideas of calculus as an introduction to the theoretical development of physical concepts such as acceleration and work. Course work will include: Newtonian Mechanics; Thermal Physics; Electricity and Magnetism; Waves and Optics; and, Atomic and Nuclear Physics. Students will also study topics relative to fluids and/or special relativity.

SOCIAL STUDIES COURSE DESCRIPTIONS

CURRENT EVENTS

A one semester Social Studies elective in which students will study and discuss the origins and causes of the current issues of today from our state, across the nation & around the world. Through the use of articles, newscasts, and other research tools, students will investigate social, political, economic, religious, and cultural events, while trying to predict the possible outcomes of these issues.

Social Justice

Social justice informs our lives, our community, and the society that we live in. In this course, we will critically examine various social justice issues in society through a historical, political, and cultural context to glean a well-rounded perspective on how these issues influence society as a whole as well as our daily lives. Praxis will be used in this course allowing students an opportunity to explore various social issues, reflect on their personal learning, and determine their passions through a social justice lens in order to develop a plan of action to be implemented in our school and community.

The focus of this course is to guide students to become self-directed learners, effective communicators, collaborative team members, problem solvers, perceptive thinkers, and citizens who are respectful of self, others and the environment

Course Objectives: Upon Completion of this course, students will be able to:

- Demonstrate knowledge of various social justice issues impacting society today
- Identify how their personal identities impact how they view the world and how others view them
- Understand various social issues through a historical, political, and cultural context
- Think critically about issues utilizing a macro approach in understanding systems and structures in society
- Identify a position on a social issue and be able defend position using primary and secondary sources
- Develop an action plan to address a social issue
- Feel empowered as a youth leader

PSYCHOLOGY

This is a one semester survey course intended to familiarize students with psychological terminology, research methodology, experimentation, and other psychological areas which affect the students as an individual within society. The course also examines different aspects of psychology such as perceptions, values and personality, and explores how they might affect the behavior of individuals in society.

SOCIOLOGY

This is a one semester course which introduces the student to a disciplined imaginative analysis of the social world. The course focuses on basic social institutions and contemporary issues. Emphasis will be on an inductive in-depth study of the process of socialization and social stratification. In addition, stress will also be placed on the student application of sociological principles and concepts.

U.S. ECONOMICS

Students will learn about the structure, function, principles, and problems of the American economy. Fundamental concepts of both macroeconomics and microeconomics will be introduced. A study of the nature of economics and the basic economic problem will form the basis for a systematic analysis of supply and demand, the factors of production, economic instability, the forms of business organization, labor relations, and the effect of government regulation. Special emphasis will be given to the role of government in the American economic system and the use of monetary and fiscal policies to achieve economic stability. Students will have the opportunity to use their substantive knowledge and social science skills to critically examine current economic problems.

U.S. GOVERNMENT

This is a one semester course describing the forms and functions of national, state and local governments in the United States. In this course, students will learn about the structure, principles, and ideals of the American system of government. An understanding of comparative political systems and the fundamental principles of American government will form the basis for a detailed analysis of the legislative, executive, and judicial branches of the federal government. Special emphasis will be given to a critical study of the Constitution and fundamental civil liberties in the Bill of Rights. Students will have the opportunity to use their substantive knowledge and social science skills to critically examine current public policy issues. The student will be able to compare and contrast our system of government with other major political systems in the world today. Students will learn the importance of individual participation in our democratic society.

U.S. HISTORY

This course is a survey of American History from 1865 to present. Areas of study include the Reconstruction period, the westward movement, the industrial era, the growth of organized labor, political reform, the Progressive era, the impact of immigration, the growth of cities, the Spanish-American War, and the role of the United States in World War I. A topical approach is used to explore political, economic, social, and cultural developments. Additional areas of study include the Roaring Twenties, the Great Depression, the New Deal, the role of the United States in World War II, the Cold War, the Korean War, the changing lifestyles of the 1950's, political and social leaders in the 1960's, the Vietnam War, and the domestic and international challenges faced by the United States during the 1970's and 1980's. A topical approach is used to explore political, economic, social, and cultural developments. Students will learn how the mistakes and triumphs of America's past shape our perceptions of current problems and our vision for America's future.

U.S. HISTORY THROUGH FILM

In this one semester course, students will study specific periods and events in U.S. History through the use of modern movies. The class will allow and challenge students to go beyond the use of a textbook to learn about American History. Students will watch and evaluate movies for their historical accuracy and educational value.

WORLD HISTORY

World History takes a global and comparative approach to studying the world and its past to develop greater understanding of the development of worldwide events, processes, and interactions among the world's people, cultures, societies, and environment. Students will investigate our diverse and common traditions, and work to understand the complex interactions among various environmental, human and social forces that have influenced and continue to influence us.

AP US GOVERNMENT & POLITICS

This one semester course will prepare students to successfully complete the Advanced Placement exam in United States Government and Politics. It will provide a learning experience equivalent to a college introductory course in political science. The course is open to 11th or 12th grade students who have high academic standing, superior academic achievement in social studies courses, and strong proficiency in writing and analytical reasoning. Students will complete extensive reading and analytical writing assignments. Exam review sessions and special learning activities will be offered in addition to regularly scheduled class instruction. United States government and politics will be studied from both analytical and critical perspectives. Students will learn the structure and function of American government and the institutions, groups, individuals, and processes that shape public policy. Content areas to be studied include federalism, separation of powers, the political beliefs and behaviors of individuals, political parties and interest groups, the Congress, the presidency, the bureaucracy, the federal judiciary, civil rights and liberties, and the relationship between economics and government.

AP US HISTORY

This course will prepare students to take the Advanced Placement United States History exam. It will provide a learning experience equivalent to a two-semester college survey course. Students will study the history of the United States from the founding of the thirteen English colonies to the present from both analytical and critical perspectives as well as gain insights and an understanding of the various beliefs, philosophies, and movements, which have shaped this nation. In order to accomplish these goals, students will be expected to complete extensive reading of both articles and original documents.

WORLD LANGUAGES COURSE DESCRIPTIONS

AMERICAN SIGN LANGUAGE 1

The year-long course introduces the fundamentals of American Sign Language (ASL) used by the Deaf Community, including basic vocabulary, syntax, finger spelling, and grammatical non-manual signals. Focuses on communicative competence. Develops gestural skills as a foundation for ASL enhancement. Introduces cultural knowledge and increases understanding of the Deaf Community.

AMERICAN SIGN LANGUAGE 2

This year long course develops vocabulary, conversational competence, and grammatical knowledge with a total immersion approach. Introduces increasingly complex grammatical aspects including those unique to ASL. Discusses culture and literature. Contact with the Deaf Community is encouraged to enhance linguistic and cultural knowledge.

ARABIC 1

These are beginning courses offered to students who have no knowledge of the written Arabic language. We begin formal study of the structure of the language. Emphasis is on reading and writing. Grammatical structure is introduced in the second part of the course along with some communication skills. The culture and different dialogues of Arabic speaking countries are also introduced.

ARABIC 2

The second year Arabic focuses on building conversational, reading, and grammar skills. Students will also begin writing original compositions, dialogues, plays, etc. The cultural aspects of the Arab World will be explored.

ARABIC 3

The third year of Arabic is the continuation of study of Modern Standard Arabic. Original dialogues, compositions and literary studies are focused on. Reading and writing are still paramount in the learning process.

ARABIC 4

The fourth year Arabic course refines advanced skills in Modern Standard Arabic. Students will concentrate on advanced vocabulary and grammar. They will further explore various forms of literature, composition formats, and translation skills.

FRENCH 1

This is the beginning course in French which provides an introduction to the French language for students who have had no previous study of French. For those who have had conversational French in the elementary and middle schools, it begins their formal study of the structure of the language. Emphasis is on oral comprehension and speaking providing students with background for communication. Readings deal with everyday life situations in France and introduce French geography, history and culture.

FRENCH 2

In the second year, reading is added to the basic skills of speaking and writing which were introduced in French 1. The reading provides material for oral use of the language and increases the student's French vocabulary. Cultural material in context is used.

FRENCH 3

Students will increase their audio comprehension, speaking, reading and writing skills. Speaking in target language is important and encouraged. The knowledge of culture also is increased through a variety of materials. Opportunities for readings from the works of French authors are provided as well as the use of more advanced structures and idioms.

FRENCH 4

The fourth-year of foreign language study is a continuation of the study of all 4 skills on an advanced level. French is the language of instruction in the classroom. There is a further refinement of the use of grammatical structures, vocabulary, pronunciation and an in-depth study of culture. The historical foundation of culture is introduced and developed. Students are encouraged to develop their language skills more proficiently to express themselves individually as well as group projects, video productions, debates and discussions. The development of full expression of ideas and the sharing of it are encouraged.

GERMAN 1

The first year encompasses basic comprehension and speaking. Grammatical structure is introduced, but the emphasis is on the communicative skills. The geography and culture of German speaking countries are introduced.

GERMAN 2

The second year German students continue to learn basic grammar with increased emphasis on speaking. Techniques used to improve the productive skills are mini-skits and summaries. Second semester students will read short graded readers.

GERMAN 3

The third year course offers an intensive grammar review, cultural history and analysis of modern literature (poems and short stories.) Students will keep journals; write compositions and give short speeches.

GERMAN 4

The fourth year German will fine-tune the skills learned in the previous years. Culture and literature will be studied more in-depth. Oral and written expression will be more refined. Students will debate and discuss topics of current interest.

SPANISH 1

The first year of Spanish stresses the fundamentals of Spanish conversation and the introduction of basic grammar. Students learn vocabulary and expressions used in basic conversation. Skills taught are: listening/comprehension, speaking, and an introduction to reading and writing within a cultural context.

SPANISH 2

The second year of Spanish is a continuation of Spanish 1. Additional grammatical structures and their uses are introduced and vocabulary is increased. Reading and writing skills are further developed. Cultural knowledge is increased.

SPANISH 3

The third year reviews the fundamentals of Spanish grammar. There will be a concentration of advanced grammar and vocabulary. Emphasis is given to speaking, reading and writing. Knowledge of the geography, culture and people of the Hispanic world are intrinsic.

SPANISH 4

The fourth year emphasizes proficiency in listening, comprehension, speaking, reading and writing on an advanced level. Spanish is the language of instruction in the classroom. The objective of the course is to develop fluent and accurate comprehension and communication skills in both oral and written Spanish. The course will offer refinement of pronunciation, review of the grammar in all its aspects and enrichment of vocabulary in context. Further understanding in the reading of journals, articles, magazines and modern Hispanic literature, and extensive coherent writing of compositions in a given topic without the use of a dictionary are required. Course content will include intellectual interests of students and teacher (the arts, literature, history, culture, sports, current events, etc.). Materials will include audio and video recordings, films, newspapers and magazines.