

ART COURSE DESCRIPTIONS

ART I

Fine Art

Prerequisite: None

Course #: h7010

Grades: 9, 10, 11, 12

Credits: 1 Unit

This course serves as a basic introductory art course. During the first semester, the class will study the elements and principles of art—what they are, how to recognize them, and how to use them. Related projects will be used as well as an extensive study of color and basic drawing skills. During second semester, emphasis is placed on composition and design elements. An introduction to hand built pottery and ceramics will be included. There will be an estimated cost for clay work. Students will need a pencil, colored pencils, ruler, large gluesticks, black sharpie, eraser, pencil sharpener and container to hold supplies and markers.

DRAWING

Fine Art

Prerequisite: Art 1

Course #: h7051

Grades: 10, 11, 12

Credits: ½ Unit

In this course, students will work on understanding and drawing perspective, drawing realistic faces, and figures from life. Included will be projects in pencil, pen and ink. Drawing supplies may also be purchased from instructor. **Drawing pad will be required.** Estimated cost if supplies bought from teacher is \$20.00. Offered first semester opposite of Painting.

PAINTING

Fine Art

Prerequisite: Art 1

Course #: h7062

Grades: 10, 11, 12

Credits: ½ Unit

Painting is designed to give the student experience in painting with watercolor, acrylic, and oils from a variety of types of subject matter. Also the study of different types of surfaces will be emphasized for example canvas board, stretched canvas, pressed paper, rough charcoal paper and fabric.

Students will be required to purchase own canvas and oil paints at an estimated cost of \$90. List will be given at beginning of class but not needed until mid-semester. Students will also have class fee for watercolor, acrylic and watercolor paper. Offered second semester opposite of Drawing.

POTTERY AND CERAMICS

Fine Art

Prerequisite: Art 1

Course #: h7111 (1) & h7112 (2)

Grades: 10, 11, 12

Credits: ½ Unit Per Sem.

This course is designed to introduce students to the different techniques and types of hand built ceramics. Examples of slab, coil and pinch pots will be constructed as well as slip addition and ceramic decoration. Mold poured ceramics will be explored, both through the pouring of molds, cleaning greenware, and the finishing and decorating of that greenware. Advanced sculptures in clay will be explored later in the semester or year. Initial cost will be \$14.00 and the remainder will be based on colors, types and amounts of glazes used by the students. This cost will be per semester and usually average between \$10.00 & \$18.00.

SPECIAL PROJECTS IN ART

Fine Art

Prerequisite: Art 1(B) Drawing,
Painting & Teacher Rec

Course #: h7190

Grades: 12

Credits: ½ Unit Per Sem.

Student will expand portfolio from Advanced Art and will work on specific problems that the student has in his/her work. Also students will work in areas that they may have perhaps avoided. Class size will be limited so more individual study can be done. NOTE: The logical and most beneficial order of taking art classes is: Art I, Drawing-Painting, Special Projects in Art.

PHOTOGRAPHY*Fine Art**Prerequisite: None**Course #: h7151**Grades: 11, 12**Credits: ½ Unit*

Students will need a 35 mm camera. Camera should not be a disposable or AD-VATAX style. Instructor has some cameras that may be checked out. If you have any questions as to camera type, best film, etc., please talk to instructor. A lab fee will be assessed for all students enrolled in the class for chemicals and paper. Paper fee will depend on amount used by the student but at least \$7.00. Film may be purchased from the instructor or by the individual student. Film will be purchased at the time student receives the film. Cost is \$3.50 per roll and each student should process at least 6 rolls during the semester.

Students will learn how to develop film, enlarge and print photos from their negatives, and other darkroom processes. Photo essay of field trips will be expected along with school activities and theme based assignments. Other class assignments will be expected. By the end of the semester each student enrolled in the class should have a portfolio of favorite shots encompassing a variety of themes. Students will be required to take pictures outside of class.

SCULPTURE*Fine Art**Prerequisite: None**Course #: h7120**Grades: 11, 12**Credits: ½ Unit*

Students will be studying & creating different kinds of sculptures. Sculptures will be created from a variety of different materials including: wire, cloth, metal, "junk", paper mache', books and also jewelry making. Students will be asked to bring some of the tools like wire cutters and pliers and may be asked to bring some supplies such as beads, metal cans, glue sticks etc. Teacher will have some supplies that students may purchase. Total cost of class will depend on what the student chooses to make.

BUSINESS COURSE DESCRIPTIONS**BASIC BUSINESS***Course #: h5010***COMPUTER APPLICATION***Practical Art**Prerequisite: None**Grades: 9, 10, 11, 12**Credits: 1 Unit*

This course is an introductory computer course that focuses on basic keyboarding skills as they apply to the business world. Basic keyboarding techniques are taught as students develop keyboarding speed and accuracy. While mastering the keyboard, students will compose and format various kinds of business correspondence, prepare tables, create desktop published documents, learn how to use a spreadsheet, database, and presentation software. Productivity, mailable material, desirable attitude and work habits are stressed.

FBLA membership is highly recommended.

**COMP BUSINESS TECH &
APPLICATIONS***Practical Art**Prerequisite: BBBCA or key 35 words
a minute prior to enrolling in class**Course #: h5050**Grades: 10, 11, 12**Credits: 1 Unit*

This course is designed for development of attitudes, knowledge, skills and workplace behaviors needed for success in employment and post-secondary education. Business applications, computer skills, filing, telephone etiquette and job interviewing skills are stressed. Other applications introduced are voice recognition software and electronic desktop calculators. Final evaluation includes a career portfolio project.

**DESKTOP PUBLISHING &
WEB DESIGN**

Course #: h5071

Practical Art

Grades: 11, 12

Prerequisite: BBCA or Teacher Rec.

Credits: 1/2 Unit

This semester course is designed for the development of marketable publications such as newsletters, flyers and signs using Microsoft Office Publisher. This project-based course focuses on real-world scenarios. In addition, this course introduces the creation and design of websites through planning, basic design, layout and construction.

Students will be using Microsoft Office Publisher and Adobe Dreamweaver.

MULTIMEDIA

Course #: h5072

Practical Art

Grades: 11, 12

Prerequisite: BBCA or Teacher Rec

Credits: ½ Unit

This semester course in Multimedia is a project-based course in multimedia technology. Students will develop an understanding of the techniques and technologies used in various multimedia fields and applications. Sounds, images, graphics and video are the informational projects from which students will construct media rich knowledge structures.

ACCOUNTING I

Course #: h5100

Practical Art

Grades: 10, 11, 12

Prerequisite: None

Credits: 1 Unit.

This course is designed for students interested in learning the basic accounting principles as they apply to keeping records for business. This information is useful for entering an accounting job after graduation from high school, or pursuing an accounting or a business major in college. Principles of accounting are studied and application problems are completed. Preparation of income tax forms is also studied. One simulation for a closely held corporation will be completed at the end of the year. The simulation combines all principles learned throughout the year.

Membership in FBLA is highly recommended.

ACCOUNTING II

Course #: h5111

Practical Art/Weighted

Grades: 11, 12

Prerequisite: Accounting I (C)

Credits: 1 Unit

This class is for students who have completed Accounting I. It is a continuation of Accounting I, focusing on Notes, Stocks, Bonds, and the different areas in Accounting. The class is primarily vocationally oriented and is organized to help students learn how to use accounting data in interpreting information to run a profitable business. College bound business majors and graduates seeking a job in bookkeeping would find this class essential. Computerized accounting will be performed frequently. During 2nd semester the computer will be used for some of the accounting problems.

FBLA membership is highly recommended.

BUSINESS & PERSONAL LAW

Course #: h5150

Practical Art

Grades: 10, 11, 12

Prerequisite: None

Credits: 1 Unit

This class starts with a thorough examination of the federal and state court systems and criminal and tort law. A field trip is taken to the Circuit Court where the student has the opportunity to experience first hand how the court system works. Other topics covered include contracts, capacity, negotiable instruments, consumer rights, landlord-tenant laws, insurances, and credit. People's Court videos are used and guest speakers are invited.

Membership in FBLA is recommended.

LANGUAGE ARTS I*Communication Arts**Prerequisite: None**Course #: h1010**Grades: 9, 10, 11, 12**Credits: 1 Unit*

This course will include a concentrated study of grammar, composition skills, spelling, vocabulary and a variety of literary forms: novels, short stories, drama and poetry. In the study of literature, the student will be expected to express ideas and discuss questions in written form as well as oral form. Students will participate in the Accelerated Reader Program.

HONORS LANGUAGE ARTS I*Communication Arts - Weighted**Prerequisite: Teacher Recommend**Course #: h1015**Grades: 9, 10, 11, 12**Credits: 1 Unit*

This course will address the same topics in LA I but to a heightened degree. Students will have an increased focus on developing more complex writing skills, vocabulary and grammar concepts. In addition, more challenging literary works will be included. Students will participate in the Accelerated Reader Program.

LANGUAGE ARTS II*Communication Arts**Prerequisite: LA 1**Course #: h1030**Grades: 10, 11, 12**Credits: 1 Unit*

This course will concentrate on improving language and communication skills (writing, reading, speaking, listening). Students will practice editing daily and continually use dictionaries and other reference materials. Students will also explore novels, short stories and poetry. Using the library's Accelerated Reader Program, students will choose novels of interest and complete an oral presentation that recommends the novels to peers. Students will also compose essays for various audiences.

HONORS LANGUAGE ARTS II*Communication Arts - Weighted**Prerequisite: Teacher Recommend**Course #: h1035**Grades: 10, 11, 12**Credits: 1 Unit.*

This course will address the same topics in LA II but to a heightened degree. Students will have an increased focus on developing more complex writing skills, vocabulary and grammar concepts. In addition, more challenging literary works will be included. Students will participate in the Accelerated Reader Program. To be admitted in this course, the student must earn at least a B in LA I Honors or an A (95%) in LA I.

LANGUAGE ARTS III*Communication Arts**Prerequisite: LA II**Course #: h1050**Grades: 11, 12**Credits: 1 Unit*

This course involves a review of the structure of English. Students will have an increased focus on developing more complex writing skills, vocabulary and grammar concepts. Students will participate in the Accelerated Reader Program. Multiple writing projects are required including a formal research paper. Students will work on usage skills in preparation for the ACT test. This course also involves an in-depth study of American authors and their writing.

HONORS LANGUAGE ARTS III*Communication Arts – Weighted**Prerequisite: Teacher Recommend**Course #: h1055**Grades: 11, 12**Credits: 1 Unit*

The course will address the same topics in Language Arts III but o a heightened degree. Students will have an increased focus on developing more complex writing skills, vocabulary and grammar concepts. Students will participate in the Accelerated Reader Program. Multiple writing projects are required including a formal research paper. Students will work on usage skills in preparation for the ACT test. This course also involves an in-depth study of American authors and their writing.

LANGUAGE ARTS IV*Communication Arts**Course #: h1070**Grades: 12*

Prerequisite: LAIII

Credits: 1 Unit

Language Arts IV is a year-long class designed for seniors looking to take a final communication arts credit. Students will be given opportunities to read, write, research and present orally in this course. Focus will be given to practical application of language arts for students entering the work force. In addition, students wishing to pursue higher education will be given opportunities to fine tune their skills to be successful in a college setting as well. Students will be reading various texts to gain an appreciation of literature and will be keeping journals to understand their perceptions of others and the greater global community.

COMPOSITION

Course #: h1111

Communication Arts- Weighted

Grades: 12

Prerequisite: LA III(B) or teacher rec

Credits: ½ Unit

Composition is a freshman – level college writing course (3 semester hours). This course may be taken for dual credit through UMKC, Kansas City at a cost of approximately \$88 per credit hour. Students are required to have either a cumulative GPA of 3.0 or a composite ACT score of 21 or higher prior to the first day of class. Instruction will promote a positive attitude toward writing leading to intelligently and thoughtfully developed essays that emphasize the Writing Process. All essays must be typed in MLA documented style. Students who do not own a computer must budget time to use the computer lab for their assignments. This course will be offered first semester opposite Advanced Literature.

ADVANCED LITERATURE

Course #: h1122

Communication Arts - Weighted

Grades: 12

Prerequisite: LA III(B) or teacher rec

Credits: ½ Unit.

Recommended for college bound students who are mature above average readers. Content of the course includes all genres of world literature. Written assignments require the student's analytical appreciation for the works and connections to their lives and the world around them. Students will be expected to write essays in response to the literature that they read. The class will be offered second semester opposite Composition. This class may be taken for dual credit through UMKC for an estimated cost of \$88 per credit hour (3 semester hours).

HIGH SCHOOL READING

Course #: h1018

Communication Arts Elective

Grades: 9, 10

Prerequisite: Teacher Recommend

Credits: 1 Unit

This class does not fulfill a Communication Arts requirement. This class focuses on improving reading comprehension and fluency through authentic reading of a wide variety of texts including academic reading, non-fictional, short fiction, and a focus on high interest young adult novels such as *Monster* by Walter Dean Myers and *Swallowing Stones* by Joyce McDonald. Students will increase skills in identifying main ideas, summarizing, critical and inferential thinking, and vocabulary development. Instruction will include teacher led, peer supported, and independent reading activities.

SPEECH COMMUNICATION

Course #: h1311

Communication Arts Elective

Grades: 9, 10, 11, 12

Prerequisite: None

Credits: ½ Unit

This class does not fulfill a Communication Arts requirement. This is a basic speech course exploring the practical principle of effective speech communications in one-to-one and group relationships. Students will give speeches including: introductions, impromptu, informative, persuasive, and interpretive. This course offers an introduction to the Speech and Debate teams, in addition to a practical life skill.

DEBATE

Course #: h1330

Communication Arts Elective

Grades: 9, 10, 11, 12

Prerequisite: Speech or Teacher Rec

Credits: ½ Unit.

This class does not fulfill a Communication Arts requirement. It may be repeated. Students will learn the principles and procedures of cross-examination debate, Lincoln-Douglas debate, Student Congress and public forum debate. Assignments will include intensive research and preparation, in and out of the classroom. In-class debates will prepare students for two required debate tournaments held outside of class.

PUBLICATIONS - YEARBOOK

Course #: h1520

Elective

Grades: 10, 11, 12

Prerequisite: LA 1 (B), Application

Credits: 1 Unit

This class can be repeated. Maximum class size: 10 people. Cannot accept early grads. Students will learn the principles of designing, editing and proofing as they prepare the copy and layout for the yearbook. Assignments involve a great deal of out-of-class gathering information and writing. Ability to use the computer is essential and respect for deadlines is vital for one's success in this class. Yearbook staff members must assist in photography duties and select quality prints for use. Use of student's personal camera is helpful in completing these duties.

THEATRE ARTS I

Course #: h7710

Fine Art

Grades: 9, 10, 11, 12

Prerequisite: None

Credits: 1 Unit

As an introduction to theatre, the student will learn basic methods of acting in monologue and duet acting scenes. Students will experiment with pantomime, improvisation, and character analysis. Basic techniques in stagecraft will be taught through hands on experience. Students will be required to be involved in some aspect of the musical or school play. Students will be required to participate in a play or watch a play outside of class.

THEATRE ARTS II

Course#: h7720

Fine Art

Grades: 9, 10, 11, 12

Prerequisite: Theatre Arts 1

Credits: 1 Unit

Class may be taken as a semester or year class; and, it may be repeated. This class is an intensive hands on class that gives the student a full understanding of what theatre really is. Students will complete hands on projects on all the various theatre disciplines ranging from academic study of theatre history to creating their own technical designs. Students may be required to participate in a play outside of class and/or attend professional productions.

FOREIGN LANGUAGE COURSE DESCRIPTIONS

SPANISH I

Course#: h0710

Elective

Grades: 9, 10, 11, 12

Prerequisite: GPA > 2.0 or MS equal

Credits: 1 Unit

Spanish I can be a college preparatory class intended for college-bound students. It presents an introduction to pronunciation, basic grammar and vocabulary through oral and written exercises, films, tapes, reading, and discussion and dialogues. **In addition, work from the online website may be required.** Verbal skills, pronunciation and grammar in the conversational context are stressed, and reading in Spanish is emphasized. Instruction and language drills are intense and there is a heavy content of required memorized material. Oral participation is required and student success is heavily dependent upon accurate completion of daily homework and mastery of sequential objectives. A reading unit with material and test in Spanish during the fourth quarter comprises a comprehensive evaluation of many of the structures and vocabulary learned during the year. **It is recommended that students maintain an A or B in order to remain functional in the class.**

FRENCH I

Elective

Prerequisite: GPA > 2.0

Course#: h0750

Grades: 9, 10, 11, 12

Credits: 1 Unit.

French I can be a college preparatory class intended for college-bound students. The course presents an introduction to authentic discourse, pronunciation, idiomatic expressions, basic grammar and vocabulary through oral and written exercise, films, tapes, reading and discussion and dialogues. **In addition, work from the online website may be required.** Verbal and listening skills, translation, pronunciation and grammar in the conversational context are stressed and reading in French is emphasized. Instructional drills are intense. There is a heavy content of required memorized material. Oral participation is required. Student success is heavily dependent upon accurate completion of daily homework and mastery of sequential objectives. **It is recommended that students maintain an A or B in order to remain functional in the class.**

SPANISH II

Elective

Prerequisite: Span I (solid B) or Tr Rc

Course#: h0720

Grades: 10, 11, 12

Credits: 1 Unit.

Spanish II represents more advanced grammar such as commands; placement of different object pronouns; the preterit and imperfect past tenses; and the present progressive tense. Students practice listening skills and study Spanish culture through various discussions and videos and the history of Spain is taught in Spanish through documentaries, motion pictures and lecture in English, as well as articles in Spanish and covers Spain from the Stone Age through the Middle Ages. **In addition, work from the online website may be required.** Civilization exams are totally in Spanish. Reading and vocabulary skills are emphasized heavily and completion of daily homework and quiz preparation are vital to student success. Thorough mastery of Spanish I structures are vital to success in Spanish II. There is heavy content of required memorized material. The curriculum in foreign language classes is taught to meet the requirements for a college preparatory certificate.

FRENCH II

Elective

Prerequisite: French I (B) or Tch Rec

Course#: h0760

Grades: 10, 11, 12

Credits: 1 Unit.

French II continues the presentation of grammar, vocabulary and pronunciation at a higher level. The introduction of the conversational past tense allows students to speak French more naturally and completely. Study of culture continues. Conversation and comprehension are practiced through taped activities as well as the video series. Students also read short essays and the short novel *Aérodome* and/or *Un été pas comme les autres*. Completion of daily assignments and memorization of vocabulary and verb forms are vital to student success. The curriculum in foreign language classes is taught to meet the requirements for a college preparatory certificate.

FAMILY & CONSUMER SCIENCES COURSE DESCRIPTIONS

FAMILY & CONSUMER SCIENCE

Practical Art

Prerequisite: None

Course #: h5310

Grades: 9, 10

Credits: 1 Unit

This course prepares student's study of leadership roles in family, career and community. It includes the exploration of family and consumer sciences. Areas to be studied are decision making, problem solving, family, clothing, interior design, career exploration and nutritional science. Throughout this course there will be opportunities to demonstrate the knowledge and skills gained by utilizing various FCCLA programs. Fees Approximately \$12 Clothing unit and \$10 nutrition & foods unit.

PERSONAL FINANCE

Course #: h5321(1), h5322(2)

Personal Finance
Prerequisite: None

Grades: 11, 12
Credits: ½ Unit per Sem.

This course is designed to introduce students to several aspects of financial responsibility, which will prepare them for living on their own. Emphasis will be on the components of income, managing one's money, using credit, personal spending, saving and investing for the future.

INTERIOR DESIGN & HOUSING

Course #: h5351

Practical Art
Prerequisite: None

Grades: 11, 12
Credits: ½ Unit per Sem.

This course includes the study of how homes fulfill human needs through design, types of housing styles, interior design, the elements of design (color, line, texture, form & space), floor plans, furniture selection and arrangement, wall and floor coverings and window treatments. Students will be required to do some individual projects. This class will be offered opposite Contemporary Living.

CONTEMPORARY LIVING

Course #: h5381

Practical Art
Prerequisite: None

Grades: 11, 12
Credits: ½ Unit per Sem.

This course prepares students to understand the nature, function and significance of human relationships within the family/individual units. Concepts and principals include and related to various family living conditions, including abuse prevention, the establishment and maintenance of relationships, the preparation for marriage, parenthood and family, life, and the socialization and development needs of individuals. This class will be offered opposite Interior Design & Housing.

NUTRITION AND FOOD I

Course #: h5371

Practical Art
Prerequisite: None

Grades: 11, 12
Credits: ½ Unit

This course prepares students to understand the principles of nutrition, the relationship of nutrition to health and wellness, understanding and using nutritional knowledge for personal food choices, the selection, limited preparation and care of food; meal management to meet individual and family food needs and patterns of living, food economics and optimal use of the food dollar. Course offered 1st semester opposite of Nutrition & Food II. Cost: \$20 for food labs.

NUTRITION AND FOOD II

Course #: h5372

Practical Art
Prerequisite: None

Grades: 11, 12
Credits: ½ Unit

This course provides students the opportunity to study advanced cooking techniques and international cooking. In-depth study of the various food groups and application of cooking skills will be part of this class. Career explorations in the foods industry will be researched. Foreign countries and customers will be researched and presented in class. This course is offered second semester opposite of Nutrition & Food I. Cost: \$25 for food labs.

CULINARY CAREERS

Course #: h5373

Practical Art
Prerequisite: None

Grades: 11, 12
Credits: ½ Unit

This course prepares students to understand and acquire career development/preparation and entrepreneurial skills for careers in the culinary field. Job applications, interviews, resumes, and careers related to nutrition, food and health will be some of the topics included. . This course is offered second semester opposite of Nutrition & Food I. Cost : \$15 for food labs.

CHILD DEVELOPMENT I

Course #: h5391

Practical Art

Grades: 10, 11, 12

Prerequisite: None

Credits: ½ Unit

This course provided students to study the intellectual, social, emotional and physical development of children. Additional topics covered include pregnancy and child birth, parent-child relations, parenting practices, and parental and environmental influences on child development. Actual experience in observing and working with children will be a part of this course.

CHILD DEVELOPMENT II

Course #: h5392

Practical Art

Grades: 10, 11, 12

Prerequisite: Child Development 1

Credits: ½ Unit

This course provides students advanced study in child development and guidance; including physical, social, emotional, intellectual and moral development of children. Actual experience in observing and working with children provides the opportunity to improve parenting skills for the future, explore careers related to child development and enhance general employment skills.

GENERAL INDUSTRIAL TECHNOLOGY SCIENCES COURSE DESCRIPTIONS

GENERAL INDUSTRIAL TECHNOLOGY

Course #: h5510

Practical Art

Grades: 9, 10, 11, 12

Prerequisite: None

Credits: 1 Unit

This course gives students classroom and fundamental laboratory experience in the areas of woodworking, production, drafting and CAD (Computer Aided Drafting). Students will construct basic functional projects assigned in each area. The approximate projects' cost will be around \$60 and all projects attempted must be paid in advance before credit will be issued.

WOOD TECHNOLOGY

Course #: h5550

Practical Art

Grades: 10, 11, 12

Prerequisite: Gen Ind Tech(C)

Credits: 1 Unit

Wood Technology is the study of the woodworking industry, woodworking processes, use and operation of machines, and basic design techniques. Students will construct projects of their choice which will be of a specified level of difficulty. The approximate cost of a selected project may run \$100 or more and all projects attempted must be paid 50% in advance and the remainder after the project is completed.

SPECIAL PROJECTS IN WOOD TECHNOLOGY

Course #: h5691,h5692

Practical Art

Grades: 11, 12

Prerequisite: Drafting/Wood Tec (B)

Credits: ½ Unit per Sem

This course is being offered to allow students more versatility in their projects. All work will be contracted in areas of study the student wishes to pursue in the Industrial TECHNOLOGY area. The choices might be: Woodworking, Carpentry, Cabinetmaking, and Drafting. Limitations of the Technology is offered. (Limitation to number of students in Wood Technology). Grades will be based upon contracted work, its quality and its design. All projects must be paid for or sold by the student in advance or credit will be withheld.

All contracted work must be approved by the instructor. Students should have good general math skills and an ability to solve problems and work on their own. Cost dependent upon project chosen.

DRAFTING I

Course #: h5570

Practical Art

Grades: 10, 11, 12

Prerequisite: Gen Ind Tech or Tec Rec

Credits: 1 Unit

Drafting I is a course designed for students to gain beginning level experience in Mechanical, Engineering and Architectural Drafting. This course will give students practical experience with the use of drafting equipment and CAD (Computer Aided Drafting). Through written exercises and drafting plate construction, the student will learn drafting fundamentals and concepts, including orthographic projection, size description, sectional views, auxiliary views, and pictorial drawing.

DRAFTING II/MECHANICAL ENGINEERING II

Course #: h5611

Practical Art

Grades: 11, 12

Prerequisite: Drafting I (C)

Credits: ½ Unit

Drafting II is a course which gives an in-depth study of Mechanical and Engineering Drafting and CAD (Computer Aided Drafting). This course, through the use of written exercises and drafting plates, gives an in-depth study of technical, functional drafting, working drawings, descriptive geometry and surface development and intersections. This course is offered 1st semester opposite of Architectural Drafting II.

DRAFTING II/ARCHITECTURAL DRAFTING II

Course #: h5612

Practical Art

Grades: 11, 12

Prerequisite: Drafting I (C)

Credits: ½ Unit

This course is a continuation of Architectural I, which students will design a set of plans and build a scaled model of that residential design. Approximate cost is \$10. This course is offered 2nd semester opposite of Mechanical Drafting II.

MATHEMATICS COURSE DESCRIPTIONS

ALGEBRA IA

Course #:

Math

Grades: 9

Prerequisite: Teacher Recommend

Credits: 1 Unit

This course is the first year of a two-year Algebra program (Algebra 1B will be the second year.) This course will cover the same basic properties, fundamentals and theorems as Algebra 1 at a slower, more in-depth pace. Students learn to state everyday problems in clear algebraic language and should gain an understanding of deductive reasoning. Algebra involves work with the real-number system. Students learn to solve all types of equations and inequalities. Function, relations, graphs and rational numbers are also studied.

ALGEBRA IB

Course #:

Math

Grades: 9

Prerequisite: Algebra 1A

Credits: 1 Unit

This course is the second year of a two-year Algebra program. It will continue at the same slower, more in-depth pace addressing Algebra concepts. Students will apply previously learned Algebra concepts to linear functions and quadratic functions. Factoring Polynomials and Rational functions will also be explored.

ALGEBRA I

Course #: h3410

Math

Grades: 9, 10

Prerequisite: None

Credits: 1 Unit

Algebra is a tool the student will need to take his/her place as an educated person in the modern world of today and tomorrow. Students learn to state everyday problems in clear algebraic language and should gain an understanding of deductive reasoning. Algebra involves work with the real-number system. Students learn to solve all types of equations and inequalities. Functions, relations, graphs, rational numbers and quadratic equations are studied. Factoring polynomials and working with algebraic fractions are included.

GEOMETRY

Course #: h3450

Math

Grades: 10, 11, 12

Prerequisite: Algebra 1

Credits: 1 Unit

This is a branch of mathematics dealing with points, lines, planes and solids. A study is made of angles, perpendicular lines, parallel lines and planes, congruent triangles, similar polygons, circles, arcs and angles, constructions and loci. Emphasis is placed on logical thinking and being able to express oneself precisely. Materials needed - Compass, ruler, protractor and scientific calculator.

HONORS GEOMETRY

Course #: h3455

Math - Weighted

Grades: 9, 10

Prerequisite: Algebra 1(B) or Teacher Rec

Credits: 1 Unit

Geometry is a branch of mathematics dealing with points, lines, planes and solids. An in-depth study is made of angles, perpendicular lines, parallel lines and planes, congruent triangles, similar polygons, circles, arcs and angles, constructions and loci. Emphasis is placed on logical thinking, higher order reasoning skills, and being able to express oneself precisely. Students in the honors course will complete projects that focus on the analysis of geometric concepts and their applications in today's world. Materials needed - Compass, ruler, protractor and scientific calculator.

ALGEBRA II

Course #: h3510

Math

Grades: 10, 11

Prerequisite: Geometry or Honors Geom

Credits: 1 Unit

Algebra II is a continuation of Algebra I. Some familiar topics are expanded upon and new topics are introduced and developed. A study is made of open sentences in one variable, systems of linear and quadratic equations, polynomials and factoring rational numbers and expressions, relations and fractions, irrational numbers, binomial expressions, and complex numbers.

HONORS ALGEBRA II

Course #: h3515

Math - Weighted

Grades: 10, 11

Prerequisite: Geometry(B) or Honors Geom(B) or Tec Rec

Credits: 1 Unit

Algebra II is a continuation of Algebra I. A study is made of open sentences in one variable, systems of linear and quadratic equations, polynomials and factoring rational numbers and expressions, irrational numbers, complex numbers, relations and fractions and binomial expressions. This honors course will push students to go into greater depth over each topic.

PROBABILITY AND STATISTICS

Course #: h3601

Math - Weighted

Grades: 11, 12

Prerequisite: Algebra II (C) or Honors Alg 2

Credits: 1 Unit

This class is designed for students who want a more "in depth" look at the Probability and Statistics Strand of Mathematics. Students looking towards a career involving mathematics will benefit from the depth of the topics covered. The Probability and Statistics course will cover: an introduction to basic concepts in statistical methods including probability, theoretical and empirical distributions, estimation, tests of hypotheses, linear regression and correlation.

COLLEGE PREPARATORY MATH

Course #: h3550

Math

Grades: 12

Prerequisite: None

Credits: 1 Unit

This course is a review of high school mathematics, covering General Math, Algebra I, Geometry, Algebra II and Trigonometry. Successful completion of this course will prepare the student for standardized mathematics testing: ACT, SAT, college mathematics placement test, etc. College Prep Math is designed for students who struggle mastering mathematics concepts, yet want to attend college. 1st Semester is devoted to General Math and Algebra I review, while 2nd Semester covers Geometry, Algebra II and an introduction to Trigonometry. Materials needed: Scientific calculator.

TRIGONOMETRY /PRE-CALCULUS

Course #: h3610

Math – Weighted

Grades: 10, 11, 12

Prerequisite: Algebra II(C) or Honors Alg 2

Credits: 1 Unit

The word "Trigonometry" is derived from three Greek words which mean "three-angle measurement", that is, "triangle measurement." By means of trigonometry, the student can determine the remaining sides and angles of a triangle when a sufficient number of them are known. In trigonometry the student also studies the theories and formulas bearing upon the relations among the sides and angles of the triangles. Trigonometry is necessary for anyone who wishes to take Physics and/or Calculus. One of the primary objectives of this course is to prepare a student to take more advanced courses in mathematics. Topics include an extension of algebra, Analytic Geometry, and pre-calculus concepts.

CALCULUS

Course #: h3710

Math – Weighted

Grades: 12

Prerequisite: Trigonometry/Pre-Calc

Credits: 1 Unit

Class will begin by a study of limits, moving to differentiation. The definite integral is defined and several integration techniques will be studied. Applications to the sciences will be examined. Also included will be statistics, linear algebra and other math topics.

COLLEGE ALGEBRA

Course #: h3911

Math

Grades: 12

Prerequisite: > GPA 3.0 or Algebra I (C)

Credits: ½ Unit

This dual credit college/high school course is a study of equations and inequalities, functions and graphs, and systems of equations and inequalities. The class is an ITV class and 3 hours of dual credit is offered from Central Methodist College in Fayette, MO. Cost is \$60 per credit hour (cost is subject to change).

INSTRUMENTAL MUSIC COURSE DESCRIPTIONS

MUSIC APPRECIATION

Course #: h7610

Fine Art

Grades: 9, 10, 11, 12

Prerequisite: None

Credits: 1 Unit

This course is offered to beginning music students as an overview of music history and culture. In this course students will learn and study the different styles of music from Gregorian Chant through 1960s Jazz. Students will also have the opportunity to learn about some of the greatest composers that ever lived while comparing their works to each other.

HIGH SCHOOL BAND

Course #: h7310

High School Band is the culmination of several years of Instrumental Music classes. This is a performing musical organization. First part of the year is marching band, performing at football games, parades and festival competitions. Concert band then performs concerts and adjudicated music festivals and state music festivals.

Band is a course, which is also an Interscholastic Activity. It competes within the guidelines of the "MSHSAA." * These activities can provide the student with educational experiences and learning outcomes that contribute toward the development of good citizenship. This can be accomplished only when the emphasis is placed upon teaching "through school activities." Interscholastic activities can be justified only when this is at its primary philosophy and purpose.

This class does require extracurricular rehearsals and performances outside of the regular school day. A summer band camp will be held for preparation of marching band. Participation in these activities will be graded and count toward the final grade in class. Students will enroll in the spring semester and will not be allowed to drop the class after May 31st. Students must be well groomed with proper hairstyle. Failure to comply will result in non-participation and a failing grade for those performances not attended.

*Quote is taken from the Music Manual of MSHSAA. Purpose and Philosophy section Page 3, Paragraph B.

VOCAL MUSIC COURSE DESCRIPTIONS

MIXED CHORUS

Course #: h7450

Fine Art

Grades: 9, 10, 11, 12

Prerequisite: None

Credits: 1 Unit

This choir is for the beginning male singer. Three performances are required, one in the fall, winter and spring. Choir robes will be provided for concerts. Although singing two and three-part music, vocal coaching will be available. Other activities in class will include the study of composers, music theory and the study of American musicals.

HILLSOUND CHOIR

Course #: h7410

Fine Art

Grades: 9, 10

Prerequisite: Audition

Credits: 1 Unit

This is an audition only choir for Freshmen and Sophomores. Opportunities for singing a variety of styles of music will be available. These styles will include Renaissance, Classical, Contemporary and show choir music. Possible performances at the Renaissance Festival, a madrigal feast, District and State music festivals, seasonal concerts, show choir competitions, and choir festivals will be required. The student would be responsible for a simple Renaissance costume and parts of a show choir costume. Some of these items may be rented from the school at a normal fee. Shoes for both guys and girls along with tights and black body suits for the girls will be the responsibility of the student.

Grading will be based on performance attendance, hard work and good conduct in class. Passing grades in all course work are mandatory for participating and continuance in this choir. The approximate cost for costuming this choir is \$60. There will be some travel involved with this group. (Cost to be determined.) Fund raising will be available. Proper appearance including hairstyles in a requirement for all choir members.

CONCERT CHOIR

Course #: h7490

Fine Art

Grades: 9, 10, 11,12

Prerequisite: Audition

Credits: 1 Unit

This is an audition only choir. Opportunities for singing a variety of styles of music will be available. These styles will include classical and contemporary. Performances at District and State Music festivals, seasonal concerts and choir festivals will be required. Tuxes and black gowns will be provided for performances.

Grading will be based on performance attendance, hard work and good conduct in class. Passing grades in all course work are mandatory for participation and continuance in these choir. There may also be some travel involved with this group and a possible overnight event. (Cost to be determined.) Fundraising will be available. Proper appearance including hairstyles is a requirement for all choir members.

HILLTOP HARMONY - Women

Course #: h7420

Fine Art

Grades: 9, 10, 11, 12

Prerequisite: Audition

Credits: 1 Unit

This is an audition only choir. Singing and dancing are required for participating in this class. Opportunities for singing a variety of styles of music will be available. These styles include Classical, Contemporary and show choir music. Performances at District and State Music festivals, seasonal concerts, show choir competitions, and choir festivals will be required. Grading will be based on performance attendance, hard work and good conduct in class. Passing grades in all course work are mandatory for participating and continuance in this choir. A one-day choreography camp will be required in September. Travel is involved with this group including one overnight event. Fund raising will be available and recommended. Proper appearance including hairstyles is a requirement for all choir members.

The participation fee for this choir is \$350 which is payable in 5 monthly payments beginning in June. This covers costumes, travel and props.

HILLSIDE SINGERS

Course #: h7460

Fine Art

Grades: 10, 11, 12

Prerequisite: Audition

Credits: 1 Unit

This is a show and jazz ensemble for advanced vocalists and performers with singing and dancing ability. A parent meeting, a singing and dancing audition and a signed contract by the singer and parent are required. There will be some fundraisers to help defray the cost of participating in this group and fundraising will be required.

Grading will be based on performance attendance, hard work and good conduct in class. Good attendance at all events, including rehearsals, is a must for all singers. Passing grades in all course work is mandatory for participation and continuance in this choir. Repertoire will vary greatly depending upon the season, starting with a choreography camp in August and complete show in the fall, possible participation in the madrigal feast, holiday music, District and State music festivals and show choir competitions. Proper appearance including hairstyles is a requirement for all choir members.

The participation fee for this choir is \$500 which is payable in monthly installments beginning in Just. This covers costumes, travel and props.