



COURSE GUIDE **2011 – 2012**

MEDIAPOLIS COMMUNITY HIGH SCHOOL

It is the policy of the Mediapolis Community School not to discriminate on the basis of race, creed, color, sex, sexual orientation, gender identity, national origin, religion, or physical or mental disability in its programs, activities, or employment practices as required by the Iowa Code Sections 216.9 and 19B.11, Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. & 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. & 206, et seq.), Title IX Educational Amendments, 20 U.S.C. & 1681-1688), Section 504 (Rehabilitation Act of 1973, 29 U.S.C. & 794) and the Americans with Disabilities Act (42 U.S.C. & 12101, et seq.)

**Mediapolis Community School District challenges each individual
to strive for excellence and to become a lifelong learner.**

**COURSE GUIDE FOR
MEDIAPOLIS COMMUNITY HIGH SCHOOL
2011-2012**

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Course Registration Information

This course guide is a synopsis of the classes to be offered during the 2011-2012 school year. This guide is designed to aid students and their parents or guardians in the selection of courses for the 2011-2012 school year. For a course to be offered, each class must have a specific number of students enrolled. If a class does not attract enough students to meet the minimum registration number, it will not be offered and students will be given the chance to find other courses.

Course selection should be carefully planned as you are choosing your classes for the fall and spring semester of next year. Please consult your parents, teachers, and counselor as needed to consider benefits and costs associated with the courses you choose. Specific things to consider are: graduation requirements, prior successes and failures, special interests and abilities, college entrance requirements, and career goals.

Requests for schedule changes after the last day of school will only be granted in unusual situations such as: to retake a course that a student has failed, computer error, outside credits earned, or misplacement due to human error.

Students wishing to take AP course through Mediapolis may elect to receive their given letter grade or they may choose to receive an “S” for satisfactory on their transcript. However, if a student fails the AP class they will not have the option of receiving a “U.” Instead, they will receive the earned letter grade of an “F”. If a student wishes to change their grade to an “S” they will need to report this information to the counseling office immediately after their class has been completed.

Graduation Requirements

Please review the high school graduation requirements listed below. Meeting the requirements is a joint effort between the student, parents or guardians, and school staff. All parties should work together to ensure that each student is on track with the courses needed.

55 credits must be earned to graduate from Mediapolis Community High School. In most cases each course is worth one credit (per semester). This is not always the case for courses such as PSEO, Career Academy, and PACE courses (Information on these courses is listed towards the back of this guide).

Please be aware that the list below is to meet the minimum graduation requirements for Mediapolis Community High School. Colleges may require more core course requirements to meet their admissions requirements. Also note that many colleges do not count independent study classes as meeting subject area admissions requirements. Some classes are noted as ones that may not meet departmental admission requirements. Students should check with their counselor or college admission offices if they have questions.

Subject Requirements

8 English Credits – Including English, Public Speaking, Composition, and four advanced English course, including, at least one speech, one writing, and one literature unit.

6 Mathematics Credits

6 Science Credits – Including Physical Science, Earth Science, Biology I A & B

6 Social Studies Credits – Including Western Civilization, World Geography, American Government and both semesters of American History

4 Physical Education Credits

25 Elective Credits – These credits may come from any subject area

Total = 55 Credits

Student Fees Waived

Students whose families meet the income guidelines for free and reduced price lunch, the Family Investment Program (FIP), Supplemental Security Income (SSI), transportation assistance under open enrollment, or who are in foster care are eligible to have their student fees waived or partially waived. Students whose families are experiencing a temporary financial difficulty may be eligible for a temporary waiver of student fees. Parents or students who believe they may qualify for temporary financial hardship should contact the principal or high school secretary at registration time for a waiver form. This waiver does not carry over from year to year and must be completed annually.

Notice of Non-discrimination

It is the policy of the Mediapolis Community School not to discriminate on the basis of sex, race, national origin, creed, age, marital status or physical disability in its educational programs, activities or employment policies in compliance with Title VI and VII of the 1964 Civil Rights Acts, Title IX of the 1972 Educational Amendments, and the Federal Rehabilitation Act of 1973. It is the policy of this district that the curriculum content and instructional materials utilized reflect the cultural and racial diversity present in the United States and the variety of careers, roles and life styles open to women as well as men in our society. One of the objectives of the total curriculum and teaching strategies is to reduce stereotyping and to eliminate bias on the basis of sex, race, ethnicity, religion and physical disability. The curriculum should foster respect and appreciation for the cultural diversity found in our country and awareness of the rights, duties and responsibilities of each individual as a member of a multicultural, nonsexist society.

NAME: _____ CLASS OF: _____

| Freshman Year | | | | Sophomore Year | | | |
|--------------------------------|--------------------|--------------------------------|------------------|--------------------------------|------------------------------------------|--------------------------------|-------------------------------------------|
| <u>1st Semester</u> | | <u>2nd Semester</u> | | <u>1st Semester</u> | | <u>2nd Semester</u> | |
| * | English / Speech | * | Speech / English | * | Composition | | English Credit |
| * | Physical Science | * | Earth Science | * | Biology I | * | Biology I |
| | Math Credit | | Math Credit | | Math Credit | | Math Credit |
| * | Physical Education | | Elective | * | Western Civilization/ World Geography | * | World Geography / Western Civilization |
| | Elective | | Elective | * | Physical Education | | Elective |
| | Elective | | Elective | | Elective | | Elective |
| | Elective | | Elective | | Elective | | Elective |
| | Elective | | Elective | | Elective | | Elective |
| | | | | | | | |

| Junior Year | | | | Senior Year | | | |
|--------------------------------|--------------------------------------------|--------------------------------|--------------------------------------------|--------------------------------|--------------------------------------------|--------------------------------|---------------------------------------------------|
| <u>1st Semester</u> | | <u>2nd Semester</u> | | <u>1st Semester</u> | | <u>2nd Semester</u> | |
| | English Credit | | English Credit | | English Credit | | English Credit |
| * | American History | * | American History | * | American Government | | 6 th Social Studies Credit Required |
| | 3 rd Math Credit Required | | 3 rd Math Credit Required | | 3 rd Math Credit Required | | 3 rd Math Credit Required |
| | 3 rd Science Credit Required | | 3 rd Science Credit Required | | 3 rd Science Credit Required | | 3 rd Science Credit Required |
| | Elective | * | Physical Education | | Elective | * | Physical Education |
| | Elective | | Elective | | Elective | | Elective |
| | Elective | | Elective | | Elective | | Elective |
| | Elective | | Elective | | Elective | | Elective |
| | | | | | | | |

| <u>1st Year After High School Graduation</u> | <u>2nd Year After High School Graduation</u> |
|---------------------------------------------------------|---------------------------------------------------------|
| Post-Secondary | Post-Secondary |
| Area of Study | Area of Study |
| Career | Career |

(*) Required classes for graduation

Board of Regents, State of Iowa

Freshman Admission Requirements to the Regent Universities

Admission of freshmen who wish to enroll at any of the Iowa Regent universities, beginning Fall 2009 and beyond will be based on the Regent Admission Index (RAI) equation described below. In addition, applicants must meet the minimum high school course requirements for the university they wish to enter.

$$\begin{aligned} & (2 \times \text{ACT composite score}) \\ & + (1 \times \text{percentile high school rank}) \\ & + (20 \times \text{high school GPA}) \\ & + (5 \times \text{number of high school core courses}) \\ \hline & \text{Regent Admission Index Score} \end{aligned}$$

Regent Admission Index Score

Note: For purposes of calculating the RAI, SAT scores will be converted to ACT composite equivalents, 99% is the top value for high school rank, 4.00 is the top value for GPA, and the number of high school core courses completed is expressed in terms of years or fractions of years (e.g., one semester equals 0.5 year).*

Freshman applicants from Iowa high schools who achieve at least a 245 RAI score and who meet the minimum number of high school courses required by the Regent universities will qualify for automatic admission of any of the three Regent universities. Freshman applicants who achieve less than a 245 RAI score may also be admitted to a specific Regent university; however, each Regent university will review these applications on an individual basis and the admission decision will be specific to each institution. Freshman applications from approved high schools in other states may be held to higher academic standards, but must meet at least the same requirements as graduates of Iowa high schools.

The Regent universities recognize that the traditional measures of academic performance do not adequately describe some students' potential for success. Therefore, the Regent universities strongly encourage all interested students to apply for admission. Applicants who feel their academic record is not an accurate reflection of their potential for success are encouraged to provide supplemental information explaining their circumstances in addition to the application, academic transcripts, and test scores.

*For applicants who do not possess all required each Regent University will evaluate factors on an individual basis.

SCED Codes for Regent Admission Index

ENGLISH

01001 (G,H,E,C) through 01007 (G,H,E,C)
01051 (G,H,E,C) through 01065 (G,H,E,C)
01101 (G,H,E,C) through 01105 (G,H,E,C)
01151 (G,H,E,C) through 01155 (G,H,E,C)
01201 (G,H,E,C) through 01202 (G,H,E,C)
11101 (G,H,E,C)

MATHEMATICS

02052 (G,H,E,C)
02054 (G,H,E,C)
02056 (G,H,E,C) through 02057 (G,H,E,C)
02072 (G,H,E,C) through 02073 (G,H,E,C)
02101 (G,H,E,C) through 02149 (G,H,E,C)
02201 (G,H,E,C) through 02203 (G,H,E,C)

SCIENCE

03001 (G,H,E,C) through 03008 (G,H,E,C)
03051 (G,H,E,C) through 03061 (G,H,E,C)
03101 (G,H,E,C) through 03104 (G,H,E,C)
03106 (G,H,E,C) through 03107 (G,H,E,C)
03151 (G,H,E,C) through 03152 (G,H,E,C)
03155 (G,H,E,C) through 03160 (G,H,E,C)
03201 (G,H,E,C)
03207 (G,H,E,C) through 03209 (G,H,E,C)

SOCIAL SCIENCE

04001 (G,H,E,C)
04003 (G,H,E,C) through 04004 (G,H,E,C)
04051 (G,H,E,C) through 04064 (G,H,E,C)
04066 (G,H,E,C)
04101 (G,H,E,C) through 04108 (G,H,E,C)
04151 (G,H,E,C)
04153 (G,H,E,C) through 04162 (G,H,E,C)
04165 (G,H,E,C)
04201 (G,H,E,C) through 04206 (G,H,E,C)
04251 (G,H,E,C)
04253 (G,H,E,C) through 04254 (G,H,E,C)
04256 (G,H,E,C) through 04258 (G,H,E,C)
04260 (G,H,E,C) through 04262 (G,H,E,C)
04301 (G,H,E,C) through 04306 (G,H,E,C)
04308 (G,H,E,C) through 04309 (G,H,E,C)
07002 (G,H,E,C) through 07004 (G,H,E,C)

FOREIGN LANGUAGE

06101 (G,H,E,C) through 06105 (G,H,E,C)
06109 (G,H,E,C) through 06125 (G,H,E,C)
06129 (G,H,E,C) through 06145 (G,H,E,C)
06149 (G,H,E,C) through 06165 (G,H,E,C)
06169 (G,H,E,C) through 06185 (G,H,E,C)
06189 (G,H,E,C) through 06191 (G,H,E,C)
06201 (G,H,E,C) through 06205 (G,H,E,C)
06209 (G,H,E,C) through 06245 (G,H,E,C)
06249 (G,H,E,C) through 06251 (G,H,E,C)
06261 (G,H,E,C) through 06265 (G,H,E,C)
06269 (G,H,E,C) through 06271 (G,H,E,C)
06281 (G,H,E,C) through 06285 (G,H,E,C)
06289 (G,H,E,C) through 06291 (G,H,E,C)
06301 (G,H,E,C) through 06331 (G,H,E,C)
06401 (G,H,E,C) through 06405 (G,H,E,C)
06409 (G,H,E,C) through 06425 (G,H,E,C)
06429 (G,H,E,C) through 06445 (G,H,E,C)
06449 (G,H,E,C) through 06485 (G,H,E,C)
06489 (G,H,E,C) through 06491 (G,H,E,C)
06501 (G,H,E,C) through 06505 (G,H,E,C)
06509 (G,H,E,C) through 06525 (G,H,E,C)
06529 (G,H,E,C) through 06585 (G,H,E,C)
06589 (G,H,E,C) through 06591 (G,H,E,C)
06601 (G,H,E,C) through 06605 (G,H,E,C)
06609 (G,H,E,C) through 06645 (G,H,E,C)
06649 (G,H,E,C) through 06651 (G,H,E,C)
06661 (G,H,E,C) through 06665 (G,H,E,C)
06669 (G,H,E,C) through 06671 (G,H,E,C)
06681 (G,H,E,C) through 06685 (G,H,E,C)
06689 (G,H,E,C) through 06691 (G,H,E,C)
06701 (G,H,E,C) through 06705 (G,H,E,C)
06709 (G,H,E,C) through 06725 (G,H,E,C)
06729 (G,H,E,C) through 06732 (G,H,E,C)
06761 (G,H,E,C) through 06765 (G,H,E,C)
06769 (G,H,E,C) through 06785 (G,H,E,C)
06789 (G,H,E,C) through 06791 (G,H,E,C)
06801 (G,H,E,C) through 06805 (G,H,E,C)
06821 (G,H,E,C) through 06825 (G,H,E,C)
06829 (G,H,E,C) through 06831 (G,H,E,C)
06841 (G,H,E,C) through 06845 (G,H,E,C)
06849 (G,H,E,C) through 06851 (G,H,E,C)
06861 (G,H,E,C) through 06865 (G,H,E,C)
06869 (G,H,E,C) through 06871 (G,H,E,C)

Please note: All courses counting towards the RAI are indicated with a # after the SCED number on the following pages.

Example: SCED: 01001 #

AGRICULTURE

Agriculture I (A & B)

SCED: Ag I A (18001) Ag I B (18001)

Suggested Grade Level: 9, 10, 11, 12

Length: First and Second Semester

Ag I is the first course in the four-course Ag sequence. It is specifically designed to prepare students for taking Ag throughout the course of their high school time. The course will revolve around the FFA organization, defining and beginning SAE (supervised agricultural experience) programs, and describing the importance of agriculture in everyday life. The students will spend the year studying the history and components of the FFA, plus investigating agriculture at a whole by spending times on units covering a variety of agricultural aspects. Special time will be given to look at agriculture as a science and exploring the uses of scientific method. As the year progresses, students will be introduced to procedures used to conduct meetings and develop skills in other CDE (career development event) areas. Other possible areas of study may include shop safety and use, depending on time left in the school year. FFA activities and SAE projects will be included throughout the year. FFA membership is recommended.

Agriculture II (A & B)

SCED: Ag II A (18051) Ag II B (03058)#

Recommended: Agriculture I (A & B)

Suggested Grade Level: 10, 11, 12

Length: First and Second Semester

The first quarter of the school year will be devoted to soil science, from both agronomic and greenhouse perspectives. If additional time exists, components of conservation and natural resources will be included as well. This would include forestry, aquatics, wildlife, and hunter safety. General scientific aspects will be taught, however specific information dealing with these areas of study and species native to Iowa will be focused upon as well. Students will have the opportunity to participate in the FFA soil judging competition in the fall as well. The rest of the year will focus on studying greenhouse production concepts, where students will have the opportunity to work directly in the greenhouse and also develop its business aspects. The class will also work directly with the elementary on a special project in the spring. Time will be taken out to review parliamentary procedure abilities and further develop them for effectiveness in meeting situations. FFA activities and SAE projects will still be involved throughout the course of the year. FFA membership is recommended.

Agriculture III (A & B)

SCED: Ag III A (18101) Ag III B (18101)

Recommended: Agriculture II (A & B)

Suggested Grade Level: 11, 12

Length: First and Second Semester

Agriculture III deals primarily with coursework in animal science. This course is designed to focus on two primary areas

of study. The year will begin with a look into the history and domestication of common livestock species. General livestock feeding, nutrition, digestion, and reproduction will follow, before leading into specific livestock characteristics. Basic animal functions of growth, maintenance, and production; along with terminology and judging procedures; will be discussed regarding swine, beef cattle, sheep, equine, dairy cattle, poultry, and various other variety species. Members will have the ability to participate in livestock and meat Ag skills career development events during the summer after completing this course. Towards the end of the year, students will participate in an arc-welding unit in the shop. Students will create beads, t-welds, butt welds, and lap welds using several different types of electrodes. FFA activities and SAE programs will continue to be an integral part of the course. FFA membership is recommended.

Agriculture IV (A & B)

SCED: Ag IV A (18051) Ag IV B (18051)

Recommended: Agriculture III (A & B)

Suggested Grade Level: 12

Length: First and Second Semester

The final course in the agriculture program is split into two important components. Students will spend time learning about grain and forage crop production. Time will be spent learning about various aspects of growth and development, plant and seed identification, production practices, grain/forage quality, and management of corn, soybeans, small grains, and forages. This will then lead into weed and insect identification and management. Lessons will specifically relate to the Creelman Research Farm, so students are able to apply what they are learning in the classroom to real life. The class will also be responsible with marketing all grain from the Creelman Research Farm as well, plus they will be in charge of organizing the crops for the new growing season in the spring. Ag business skills will also be developed, through learning concepts dealing with Ag sales presentations, advertising, communication, and various other techniques. Extra time that exists during the year will be used to work on individual shop projects and complete an agricultural research paper. Students will receive dual enrollment through SCC as a crop anatomy and physiology course worth 4 college credits in addition to the high school credit. FFA activities and SAE programs will continue to be a part of this agriculture course. FFA membership is recommended.

Advanced Animal Science

SCED: 18106

Recommended: Agriculture III (A & B)

Suggested Grade Level: 10, 11, 12

Length: First Semester

This course will go into more depth dealing with animal sciences than Agriculture III a & b. It will include more specific information involving nutrition, reproduction, genetics, breed development, and it will include sections of livestock judging, meat evaluation, industrial trends, and anatomy. FFA

membership will be required for this course.

Agribusiness Management (Agricultural Sales)

SCED: 18201

Recommended: Agriculture I (A & B)

Suggested Grade Level: 11, 12

Length: Second Semester

This course will cover areas including careers, presentations, buying behavior and process, communication and relationships, adaptive selling, prospecting, sales call planning, sales calls, additional presentations, marketing/advertising, and promotional sales. FFA membership is required.

Agricultural Independent Study

SCED: 18347

Instructor Permission Required

Suggested Grade Level: 12

Length: One Semester

It is reserved for upperclassmen that are unable to take their next course during its designated timeframe. Other options include serving as a greenhouse manager or creating an extended academic program in an agricultural interest area. To be eligible for this agricultural class, instructor permission is required. It will follow the description of the course the student is unable to take, however, it will be self-taught, or it will follow a specific syllabus designed by the instructor and student.

ART

Creative Art– Drawing/Painting (Fundamentals 2D)

SCED: 05154

Suggested Grade Level: 9, 10, 11, 12

Length: First Semester

This Fundamentals course offers a multimedia approach to the visual arts and gives students the opportunity to work with traditional and nontraditional art forms. Areas to be covered in this course are a variety of drawing, painting, print making, and ceramics (2D & 3D) techniques. This course will allow students the opportunity to experiment with a wide range of media, thus exposing them to a wide variety of activities and teaching them to problem solve in many different areas of art. The Elements of Design and Principles of Design will be stressed in this course. Students will also be expected to sketch and journal daily. Students will research, participate in class discussions and take notes. Materials needed for class will include drawing pencil, kneading eraser, regular eraser, smudge stick, sketchbook, folder watercolors-tube paints, paintbrushes and colored pencils.

Creative Art-Sculpture (Art Fundamentals 3D)

SCED: 05158

Suggested Grade Level: 9, 10, 11, 12

Length: Second Semester

This sculpture course covers the same topics as creative art-comprehensive course, but its focus is more on creating three-

dimensional artworks. Student's typically work with several different types of medium such as clay, wood, metals, textiles and so on. Students are encouraged to display their work publicly. A sketchbook and journal will be kept as homework to advance students' drawing skills.

Printmaking/Graphics (Art Methods 2D)

SCED: 05160

Recommended: Creative Art

Suggested Grade Level: 10, 11, 12

Length: First Semester

Printmaking course introduces students to a variety of printmaking techniques using processes such as monotypes, basic etching, woodcuts and linocuts. This course emphasizes the elements and principles of design while encouraging student criticism to the applied fine arts (Feldman's critical thinking skills). Students will be exposed to artists and art styles that will enhance and inspire unique, personalized art works. This course will investigate the computer's influence on the field of advertising and Commercial art. A sketchbook and journal will be kept as homework to advance students' drawing skills. Students are encouraged to display their work publicly.

Ceramics/Pottery (Art Methods 3D)

SCED: 05159

Recommended: Printmaking

Suggested Grade Level: 10, 11, 12

Length: Second Semester

Ceramics course will cover some of the material in creative art-sculpture class (basic techniques). Particular attention is paid to the characteristics of the raw materials, their transformation under heat, and the various advance methods used to create and finish objects. Students are encouraged to display their work publicly. A sketchbook and journal will be kept as homework to advance students' drawing skills.

Creative Art-Painting (Art Studio 2D)

SCED: 05157

Recommended: Printmaking & Textiles

Suggested Grade Level: 10, 11, 12

Length: First Semester

This course will provide students with the opportunity to expand on the skills developed in the printmaking and textiles courses. Students will focus on the painting process. Students will be under the supervision of the art instructor, and will be expected to work on projects more independently. This course is recommended to anyone wishing to pursue a career in the arts. A sketchbook and journal will be kept as homework to advance students' drawing skills. Students are encouraged to display their work publicly. (Course may be repeated)

Textiles (Art Studio 3D)

SCED: 05164

Recommended: Creative Art

Suggested Grade Level: 10, 11, 12

Length: Second Semester

This course will improve a student's ability in two- and three-

dimensional media, such as drawing, painting and sculpting. Students will be exposed to artists, styles and their work to help inspire unique and personalized artwork. Students are encouraged to display their work publicly. A sketchbook and journal will be kept as homework to advance students' drawing skills. (Course may be repeated)

Art Independent Study

SCED: 05197

Instructor Permission Required

Suggested Grade Level: 11, 12

Length: One Semester

This course is designed for outstanding student artists with strong art skills, motivated and mature. Students, who have taken advanced art courses and can't work an art course into their regular schedule, may with teacher approval take this course. Students will also create a professional body of work that reflects their personal style and talent. Students are encouraged to display their work publicly. Students will also keep a sketchbook and journal as homework to continually advance their drawing abilities. (Course may be repeated)

BUSINESS & COMMERCIAL

Computer Applications a (Keyboarding)

SCED: 10004

Suggested Grade Level: 9, 10, 11, 12

Length: First or Second Semester

Students will be given the opportunity to become more familiar with the functions of Microsoft Word. Students will learn basic formatting for letters, reports, memos and tables. They will also be given the opportunity to create multicolumn documents. Students will also be given the opportunity to use Microsoft Power Point to do multimedia presentation. Students will also get the opportunity to work with Microsoft Publisher to create brochures. Students will complete a simulation in this class as well. The class is limited to 24 students.

Computer Applications b (Word Processing)

SCED: 10004

Recommended: Computer Applications a

Suggested Grade Level: 9, 10, 11, 12

Length: Second Semester

Students will learn the basics of Microsoft Excel and Microsoft Access, to do spreadsheets and databases. They will also be given the opportunity to use Microsoft Publisher to create newsletters. They will also learn how to do merging of documents. There will be a project that will integrate these skills. Students will also be exposed to some advanced software/technology. Students will complete a simulation project in this class. Class limited to 24 students.

Introduction to Business (Business Systems A & B)

SCED: 12051

Recommended: Computer Applications b

Suggested Grade Level: 10, 11, 12

Length: First and Second Semester

This class offers students a look into the business world. Students will learn more of the uses of Microsoft Word integrating all applications. Areas to be covered in this class will include: Human Relations, Economics, Management & General Business. Students will also complete school projects for departments when requested. The Internet will also be incorporated into the class.

Finance (Accounting A)

SCED: 12103

Recommended: Computer Applications b

Suggested Grade Level: 11, 12

Length: First Semester

This class offers students the principles of the basic accounting cycle for a service business—sole proprietorship. They will learn how to manage a checkbook and reconcile a bank statement. Students will also be introduced to the 10 key-touch system.

Accounting (Accounting B)

SCED: 12104

Recommended: Finance

Suggested Grade Level: 11, 12

Length: Second Semester

This class is an expansion of the principles learned first semester. Some of the areas that will be covered in this semester include: payroll, depreciation, notes payable and notes receivable. They will also do the accounting cycle for a partnership and cooperation; this will include using special journals. They will also complete a one-month simulation for a typical small business.

Business Ethics

SCED: 12008

Recommended: Computer Applications b or Intro to Business

Suggested Grade Level: 12

Length: Second Semester

This course will center on ethics in the business world. Students will study how ethics affects their lives and business decisions. We will also examine the diversity of ethics in America. They will also look at the ethics involved with new technology.

Advanced Computer Technology

SCED: 10005

Recommended: Computer Applications

Suggested Grade Level: 10, 11, 12

Length: First and Second Semester

This class is centered on advanced technology used in the real world. In this class students will be given the opportunity to learn advanced technology for the workplace. Students will learn the basics of; Photoshop, Dreamweaver, & Video Editing. Students will create projects using the different types of software. Class limit of 16.

Technology & Business Independent Study

SCED: 12047

Instructor Permission Required

Suggested Grade Level: 12

Length: First or Second Semester

This class is offered only as an independent study. This course is designed to cover many technological areas associated with business and its practices. These areas will include and are not limited to: the Internet, e-mail, resumes/cover letters, integrated computer applications, research and marketing for a business.

ENGLISH DEPARTMENT

English*

SCED: 01001 #

Suggested Grade Level: 9

Length: First or Second Semester

This course is offered first and second semester. General English topics will be discussed and explored, including grammar, literature, and writing.

Public Speaking (Speech)*

SCED: 01151 #

Suggested Grade Level: 9

Length: First or Second Semester

This course is offered first and second semester and will have a focus on communication skills. Projects in public speaking, both individual and in groups. Various speaking styles will be covered that will increase communication effectiveness. All speeches are written out and planned before you speak. Students can expect to: become more comfortable speaking in front of a group, learn how to approach a variety of speaking opportunities and tailor them to individual talents, gain advanced library skills, manipulate the words of others to suit needs, and how to complete an extensive research paper and oral presentation.

Composition (Elements of Writing)*

SCED: 01103 #

Suggested Grade Level: 10

Length: First Semester

This course will include several basic skills needed by the students to communicate effectively. Students will learn the basic skills of essay development in order to write a research paper based on a career choice. Students will learn how to use the library for research; they will do Internet searches; and may conduct interviews or participate in a shadowing experience. A passing mark must be earned on the research paper to pass the course.

Literature of a Genre (Dramatics)

SCED: 01061 #

Recommended: Public Speaking

Suggested Grade Level: 10, 11, 12

Length: Second Semester

This is a one-semester course designed to introduce the student

to various aspects of drama and the theater. We will experiment with acting by completing a study of relaxation, movement, oral interpretation, and characterization. We will also read the following plays: Our Town, A Long Day's Journey into Night, Brighten Beach Memoirs, Cat on a Hot Tin Roof, Endgame and Death of a Salesman. In addition, we will be reading Macbeth, which is a masterpiece of

conflict and character. The student can expect to write papers and take tests over these plays. Drama is meant to be performed and seen, therefore at some point we will perform for others outside the class. There is a possibility that our focus will shift from literature of the theater to performance. If this occurs, the student will be required to give two public performances in early May.

Communications (Mass Communication)

SCED: 01155 #

Recommended: Public Speaking

Suggested Grade Level: 10, 11, 12

Length: Second Semester

Mass Communication is the study of communication. This course will explore the various way people communicate on a large scale. Our study of Mass Communications will consist of newspapers, advertising, radio, and television. Besides classroom activities, each student will be responsible for major projects, which works with each area of communication. The student can expect to do several speeches and a major research paper concerning a social issue or a media related topic of his/her choice. The student will then give an expository address (speech with a visual aid) on this topic. Mass Communication satisfies the advanced speech requirement. Because of this, you will be required to complete several speeches: (1) Newspaper- This project begins with a general discussion of newspaper terminology and types of "news worthy" articles. The student will be required to produce and evaluate several types of news articles, and will be encouraged to submit that article for publication in the school or local newspaper, (2) Advertising – As we study how advertising is used to "sell" a product, the student will be expected to work through various projects which demonstrate knowledge of how advertising is used in print media. The student can expect to work in groups and design an ad campaign to "sell" a product. The final presentations will be videotaped, (3) Radio – We will study how radio is used as a medium for oral communication. We will conduct our own newscast. (This is a contest speech category. Some of students may try this in a contest situation), (4) Television – The television segment of this course will deal with a research project. Students will be allowed to select a specific time period in history to prepare a television magazine (news program) for a day within that selected historical period. These will also be videotaped, (5) a novel project is due each quarter.

Forensic Speech (Advanced Speech)

SCED: 01152 #

Recommended: Public Speaking

Suggested Grade Level: 11, 12

Length: Second Semester

The focus of this course is communication. We will work with projects that are designed to turn basic knowledge of speech theory into the practical. The only way to get better at public speaking is to practice it. These projects give you that opportunity. We will experiment with various speaking styles designed to increase your communication effectiveness. This is the most advanced speech course we offer. Our task is to prepare you for the type of public speaking that you will encounter at the college level. Speaking and writing are connected. As you arrange your argument, you will be challenged to make logical connections. You will be required to turn in both a paper and a speech for all of the speeches that we cover. Some times you will need only a rough draft. Other times, a final typed copy will be required. You can expect to: become more comfortable speaking in front of a group, how to approach a variety of speaking opportunities and tailor them to your individual tastes, gain some advanced library skills, and how to manipulate the words of others to suit your needs.

Technical Writing (Publications)

SCED: 01105 #

Recommended: Public Speaking

Suggested Grade Level: 10, 11, 12 (9th with permission)

Length: First Semester

Students will study and participate in the varied technical aspects of journalistic production through academics, research and activities. Students will gain a general working knowledge of technical publications and will actively work on high school publications. All students enrolled in this course will be considered publications staff for the semester and will, as part of the course requirements, contribute to the production of high school publications in addition to their academic work. Writing will be research and interview focused.

Applied English Communication (Advanced Publications)

SCED: 01156

Recommended: Technical Writing

Suggested Grade Level: 10, 11, 12

Length: Second Semester

This course will be heavily focused on applying communication skills to school newspaper and yearbook production. Students will be expected to participate in and complete these endeavors in a working environment. Self-direction, motivation, follow-through and good journalistic and writing skills are a must for this course. Students may have course projects in addition to school publications. Students should expect a rigorous schedule and the possibility of work outside the school day. Students may take more than once, however, permission from the instructor is required.

Creative Writing

SCED: 01104 #

Suggested Grade Level: 10

Length: First and/or Second Semester

Students will read and study creative writing in its varied forms to learn the elements of fiction and non-fiction writing. The class will explore the art & craft of writing and its relationship

to critical thinking. Students will work on developing personal expression through a variety of genres and will explore language use. The class will emphasize the process approach to writing, writing for different purposes and audiences, writing for publication.

English Composition (Expository Writing)

SCED: 01102 #

Recommended: Composition

Suggested Grade Level: 10

Length: Second Semester

Expository writing is intended as an extension of the type of writing done in Elements of Writing. In depth essay writing – specific narrative, descriptive, expository, and argumentative – will be done. The class includes assignments with fiction to develop writing skills that can be applied to non-fiction essay and are designed to develop an interest in personal writing.

American Literature (20th Century Literature)

SCED: 01054 #

Suggested Grade Level: 10

Length: Second Semester

This course is designed to expose the student to literature, both English and American that was developed with the 20th century. We will look at a wide variety of themes and genres as we explore some of the “classics” of the 20th century. Our first novel, *Shoeless Joe*, will examine themes and how it relates to the other elements of several short stories. Our next novel is one of Harper Lee’s classics, *To Kill a Mockingbird*. We then turn our attention back to short stories and poems, which highlight such authors as Earnest Hemingway, William Faulkner, John Steinbeck and Eudora Welty. *Flowers of Algernon* and *Lord of the Flies* are our last novels. If time allows, we read a short play. The pace of this class is fast. There are four novels and about twenty short stories that make up the key components of this class. In addition to the course-reading load, the student is expected to read/complete a reading journal. Some class time is devoted to this project; however, it will require outside reading time. Your grade consists of the reading journal, daily work, and tests and quizzes; Three major papers are also completed during the semester.

Literature of an Author (Advanced Literature)

SCED: 01065 #

Recommended: American Literature

Grade Level: 10, 11, 12

Length: First and/or Second Semester

This class examines the human condition through literature and critical analysis. Common reading will be selected from short stories, novels, plays and poetry. The study of theme, genre and symbolism will be the major focus of the course.

Literature of a Period (Fact & Fiction)

SCED: 01065 #

Suggested Grade Level: 11, 12

Length: First or Second Semester

Students will develop skills in reading, writing, discussion,

analysis, and reflection through the study of the narratives, authors, and the corresponding historical/cultural/social contexts of factual and fictional works. Focus may be narrowed to a particular period.

Literature of a Theme (Advanced Dramatics)

SCED: 01065 #

Recommended: Lit of Genre, Forensic Speech

Suggested Grade Level: 11, 12

Length: First Semester

Advanced Dramatics is open to any junior or senior who has already taken Dramatics 1. It will include projects in acting and play production. This course may not count as an English credit at some colleges. Students must have instructor approval prior to signing up for this course.

British Literature (Humanities)

SCED: 01056 #

Recommended: Instructor approval

Suggested Grade Level: 11

Length: First Semester

Humanities is a study of the literature of the Western world. Analysis of stories, essays and plays is included. The course incorporates music, drama, and art. This is a college preparatory course open to juniors and seniors.

World Literature (Literary Analysis)

SCED: 01058 #

Recommended: Literature courses

Suggested Grade Level: 11, 12

Length: Second Semester

This course is designed specifically for second semester, college-bound students who have successfully passed multiple high school literature and writing courses. Instructor permission should be sought for any student not meeting these requirements. Students will develop a foundational knowledge of skills required to succeed in college in reading, writing, discussion, analysis, and reflection through the study of literature with an emphasis in world literature, schools of literary thought, critical analysis and essay writing, independent research and projects, as well as a thorough study of current collegiate practices.

Introduction to Film (*this course as not yet been approved*)

SCED:

Recommended:

Suggested Grade Level:

Length: Second Semester

Strategic Reading (Reading Strategies)

SCED: 01066

Recommended: Approval of Teachers or School Counselor

Suggested Grade Level: 9, 10, 11

Length: Second Semester

This is an elective credit, not an English credit. Students will read and view a variety of texts and study strategies for improving reading, testing, note taking, and other academic

connections. Through varied activities centered on all of the language arts (speaking, writing, reading, listening), students will be encouraged to gain a stronger understanding of their reading processes and use given strategies to inform and improve their approaches to and comprehension of their readings. This course will be required for all students who do not score above the 41% on the Reading Total of the Iowa Tests of Educational Development or with approval of school counselor or teacher.

Advanced English Independent Study

SCED: 01997

Recommended: Instructor Approval

Suggested Grade Level: 12

Length: First or Second Semester

Offered to allow interested students to pursue advanced study in an area of their choice. Students must have teacher approval, a 3.00 GPA in the area of interest, and completion of an introductory class.

Independent Study Advanced Dramatics

SCED: 01065 #

Recommended: Lit of a Genre, Lit of a Theme, Forensic Speech

Suggested Grade Level: 11, 12

Length: Second Semester

Independent Study in Advanced Dramatics is not meant to replace the regular course in Advanced Dramatics, but it is designed for those students who want to learn in depth about out a particular area of theater or drama. This course may not count as an English credit at some colleges. Students must have instructor approval prior to signing up for this course.

FAMILY AND CONSUMER SCIENCES

FACS

SCED: 22201

Suggested Grade Level: 9, 10

Length: First Semester

Units include: culinary arts through cupcake wards and reading a culinary mystery book; community service with a project planned and carried out by students; introduction to entrepreneurship by participation in a class small business venture selling homecoming cookies and smoothies; and a time management sewing project where students create a pair of pajama bottoms, a shopping bag from recycle clothing, or other teacher approved project of choice (fabric and thread needed). FCCLA may be integrated.

Culinary Arts (Foods I)

SCED: 22202

Suggested Grade Level: 9, 10, 11, 12

Length: First or Second Semester

Want to know what it takes to compete for upper level jobs as a culinary arts professional? If you answered yes, this is the class for you! Students will learn basic culinary skills including how to avoid food borne illness in addition to participating in mean

preparation challenges including soup and salad, meat and potatoes, and a box mix throw downs. A student led pizza business project will be planned, marketed, and prepared for delivery to customers during this class. FCCLA may be integrated.

Advanced Culinary (Foods II)

SCED: 22203

Recommended: Culinary Arts (Foods I)

Suggested Grade Level: 10, 11, 12

Length: Second Semester

This class offers students an opportunity to learn more advanced cooking skills and preparation for work in the global economy with units including wide cultural food exploration. Textbook work and cooking labs expand student culinary skills in addition to a field trip to Indian Hills Community College and a visit to a 5 star restaurant to meet with the head chef. Class may include an entrepreneurship project. FCCLA may be integrated.

Introduction to Education (Child Growth & Development)

SCED: 22204

Suggested Grade Level: 9, 10, 11, 12

Length: First or Second Semester: Years starting with an even number (2012-2013)

This course offers an introduction to the field of education and teaching at the various levels and licensure areas. Students will explore growth and development from birth through adolescence, theorists who have shaped American education, developmental disabilities and child abuse laws, and the importance of setting an environment that promotes reading literacy. This course includes observation of elementary students in class and at recess and a field trip to the day care. Students who take this class and later life skills may complete application requesting to articulate their work for 3 college credits. FCCLA may be integrated.

Life Skills (Independent Living)

SCED: 22210

Suggested Grade Level: 9, 10, 11, 12

Length: First or Second Semester: Years starting with an odd number (2011-2012)

This course is designed to prepare students to live independently. Three unites in this class: personal finance, family and relationships with meal management, and student choice DIY (do-it-yourself) project. Personal finance: steps to financial independence, identity protection, securing a place to live, and participation in a realistic "Life in" simulation; Family and relationships include a foods unit which teachers budget friendly meal planning and the creation of a formal class meal; DIY (do-it-yourself) requires students to become self-directed learners in a project of choice. FCCLA may be integrated.

Nutrition

SCED: 08099

Suggested Grade Level: 11, 12

Length: First or Second Semester

This course provides an introduction to the nutrition concepts across the life span. An emphasis is on how proper nutrition is a critical component for optimal learning, growing, healing and quality of life. Units of study include the role of government in our food, prevention of common diseases (diabetes, heart diseases, some cancers, and hyper tension), weight management, a balanced diet and goal setting, labeling and regulation of claims, and special dietary needs. A final project called food innovations requires the planning process and research to create of a product that meets assigned nutritional guidelines, conduct market research of target audience, and presentation to the class. Students who take a foods class and this class may complete an application to articulate this class for 3 college credits. FCCLA may be integrated.

FACS Independent Study

SCED: 22247

Suggested Grade Level: 11, 12

Length: First or Second Semester

Students wishing to pursue a career in child care or culinary/nutrition may take an independent study to complete one of two classes required within their college program while still in high school. Mentorship time working with younger students within the school (background check may be required_ can help a student articulate their work into a 3 college credit course called Introduction to Early Childhood Education if they have taken Introduction to Education and Life Skills. Students who have taken foods and nutrition may sign up for this course to achieve one college credit for a pass and certification called *SafeServe* to prepare them for work in high quality food establishments.

FOREIGN LANGUAGES

Spanish I (A & B)

SCED: 06101 #

Suggested Grade Level: 9, 10, 11, 12

Length: First and Second Semester

Students will learn to read, write, speak and listen to Spanish for a variety of purposes. Students will learn to communicate with basic social expressions and conventions of language and gesture. Basic structures of the language will be presented so students will become proficient in the use of the present tense. Students will learn to carry on light general conversations (introductions, weather, courtesies, etc.) and be able to function in restaurants, on phone, in taxis, at hotels, etc. History, geography and culture of Spanish-speaking countries will also be presented. Daily class participation and daily study time is very important. Students must have a "C" average or better 1st semester to continue into the 2nd semester or consent of instructor.

Spanish II (A & B)

SCED: 06102 #

Recommended: Spanish I (A & B)

Suggested Grade Level: 10, 11, 12

Length: First and Second Semester

This course is a continuation of Spanish I. Students will advance skills of reading, writing, speaking and listening to Spanish. Students will communicate easily with the basic social expressions and conventions of Spanish and will work to bring pronunciation to a level of some comfort and close to what a native speaker could comprehend. Students will be able to write and converse in the present and the past tense about familiar subjects. Students will apply a working knowledge of history, geography and cultural elements to light conversations enabling students to function as tourists on a survival level in Spanish-speaking countries. Student must have received a "C" average or better in Spanish I to enroll in the course and must maintain a "C" average 1st semester to continue on to the 2nd semester or have the consent of the instructor.

Spanish III (A & B)

SCED: 06103 #

Recommended: Spanish II (A & B)

Suggested Grade Level: 11, 12

Length: First and Second Semester

This course is a continuation of Spanish II. Students will use Spanish to read, write, speak and listen for a variety of purposes. Students will work on developing skills to communicate effectively in open-ended conversations. Advanced structures of the language will be presented so students will become proficient in the use of the past tense, the command forms and the subjunctive. Each quarter, students will be responsible for sharing Hispanic/Latino current events to increase their language abilities as well as cultural knowledge. Student must have received a "C" average or better in Spanish II to enroll in the course and must maintain a "C" average 1st semester to continue on to the 2nd semester or have the consent of the instructor.

Spanish IV (A & B)

SCED: 06104 #

Recommended: Spanish III (A & B)

Suggested Grade Level: 12

Length: First and Second Semester

This course is a continuation of Spanish III. Students will continue to use Spanish to read, write, speak and listen for a variety of purposes. Students will apply all verb tenses to everyday situations. They will continue to share current events from the Hispanic world and discuss how these events affect our world. Students will also correspond with Hispanic key pals via the Internet. Emphasis will be made on understanding the cultural diversity of the Spanish-speaking world. Student must have received a "C" average or better in Spanish IV to enroll in the course and must maintain a "C" average 1st semester to continue on to the 2nd semester or have the consent of the instructor.

Spanish Independent Study

SCED:

Recommended: Instructor Permission

Suggested Grade Level: 9, 10, 11, 12

Length: First and/or Second Semester

This course is for students with class schedule conflicts. Students must have a 3.0 GPA in previous Spanish courses. Course may be tailored to the student's needs. All Spanish courses strive to create greater cultural awareness of the Hispanic world.

HEALTH

Health and Wellness (Health I)

SCED: 08052

Suggested Grade Level: 9, 10, 11, 12

Length: First or Second Semester

The objective of this class is to introduce the principles of holistic health through nutrition, aerobic fitness, and mental, social, spiritual, and emotional wellness. The course includes discussion of values, peer pressure and decision-making, and education about HIV/AIDS, other STDs, First Aid and CPR, mental and emotional health (including self-esteem, eating disorders, stress and anger management, date rape, and domestic violence and family issues), and the effects of all drugs, including caffeine, nicotine, alcohol, tobacco, marijuana, ecstasy, the opiates, methamphetamines, cocaine, and other harmful substances.

Nutrition

SCED: 08099

Suggested Grade Level: 11, 12

Length: First or Second Semester

This course provides an introduction to the nutrition concepts across the life span. An emphasis is on how proper nutrition is a critical component for optimal learning, growing, healing and quality of life. Units of study include the role of government in our food, prevention of common diseases (diabetes, heart diseases, some cancers, and hyper tension), weight management, a balanced diet and goal setting, labeling and regulation of claims, and special dietary needs. A final project called food innovations requires the planning process and research to create of a product that meets assigned nutritional guidelines, conduct market research of target audience, and presentation to the class. Students who take a foods class and this class may complete an application to articulate this class for 3 college credits. FCCLA may be integrated.

INDUSTRIAL TECHNOLOGY

Engineering I

SCED: 21004

Suggested Grade Level: 9, 10, 11, 12

Length: First Semester

Instruction in the area of drafting fundamentals, use and care of instruments, lettering, sketching, applied geometry, multi-view,

section auxiliary, dimensioning, pictorial drawings, and problem solving activities. Students will use these skills to develop drawings and designs.

Carpentry (Construction)

SCED: 17003

Recommended: Engineering I

Suggested Grade Level: 9, 10, 11, 12

Length: Second Semester

Units covered will include wood and wood products, construction methods, construction terminology, construction materials, safe and proper use of hand tools, safe and proper operations of shop machines, designing, wall framing, and problem projects.

Engineering II

SCED: 21005

Recommended: Engineering I

Suggested Grade Level: 10, 11, 12

Length: First Semester

Review of Engineering I skills, blueprint reading, the designing and the making of a set of house plans using CAD, plans will include floor, plot, section, detail and elevations. Problem solving activities and model construction will also be covered.

Woodworking (Wood Technology)

SCED: 17006

Recommended: Carpentry

Suggested Grade Level: 10, 11, 12

Length: Second Semester

Development of wood and wood products from raw materials to finished materials, overview of machine equipment, joinery, finishing operations, calculation of board feet of lumber and material lists, and project plan reading. Students will use these operations in the processes of woodworking.

Engineering Design (Three Dimensional Modeling)

SCED: 21006

Recommended: Engineering I

Suggested Grade Level: 11, 12

Length: First Semester

An advanced study of computer aided drafting. Design in the computer program is done entirely three dimensionally. Units will include developing work planes, designing basic to advanced parts, an introductory assembly design, and an individual project design.

Framing Carpentry (Advanced Construction)

SCED: 17004

Recommended: Woodworking

Suggested Grade Level: 11, 12

Length: Second Semester

Advanced studies of Construction and Engineering processes. Students will engage in on-site building. Units will cover advanced blueprint reading, concrete form and construction, floor and wall framing, rafter framing and roofing. Students will demonstrate proper operations of equipment and safety

precautions through the processes.

Communication Technology

SCED: 11002

Suggested Grade Level: 10, 11, 12

Length: First or Second Semester

Designed to introduce the student to the fast growing industry of communications technology. Project based activities frequently. Units will include computer applications, advertising, digital photography, video production, printing and desktop publishing, problem solving projects and business opportunities.

Engineering Independent Study

SCED: 21047

Recommended: Instructor Permission

Suggested Grade Level: 11, 12

Length: First and/or Second Semester

Students will explore topics of interest related to engineering. May serve as an opportunity to expand their expertise in a particular application, explore a topic in greater detail, or to develop more advanced skills.

General Construction Independent Study

SCED: 17047

Recommended: Instructor Permission

Suggested Grade Level: 11, 12

Length: First and/or Second Semester

Students will explore construction-related topics of interest. May serve as an opportunity to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

MATHEMATICS

General Mathematics (A & B)

SCED: 02003

Suggested Grade Level: 9, 10, 11, 12

Length: First and Second Semester

This course is aimed at students who wish to wait to take Algebra at a later date and gain an understanding of arithmetic fundamentals necessary for post graduation. An on-line, self-paced program may be used during instruction (ALEKS). During the second semester the course will cover pre-algebra materials. Note: This course may not count as a math credit at some colleges.

Basic Algebra (A & B)

SCED: 02051

Suggested Grade Level: 9, 10, 11, 12

Length: First and Second Semester

Basic Algebra is designed to aid students in making the transition from general mathematics to Algebra. The course will provide an in-depth presentation of the prerequisite skill, concepts, and problem solving processes needed to help students become comfortable with and successful in Algebra. A major

goal of the course is to help the student become a better problem solver. The students will be guided carefully through problem-solving processes to encourage greater analytical skills. Note: This course may not count as a math credit at some colleges.

Algebra IA (a & b)

SCED: 02053

Suggested Grade Level: 9, 10, 11, 12

Length: First and Second Semester (1st course of a 2-year Algebra program)

This course is designed for students who need more time to learn algebraic concepts. The course includes a review of sets, variables, sentences and real numbers. Slopes of lines, solving equations and inequalities algebraically, and the use of graphs are also included. Problem solving strategies are explored. Factoring polynomial expressions and applications of quadratic equations, together with an introduction to probability and statistics.

Algebra IB (a & b)

SCED: 02054 #

Suggested Grade Level: 9, 10, 11, 12

Length: First and Second Semester (2nd course of a 2-year Algebra program)

This course is designed for students who need more time to learn algebraic concepts. The course includes a review of sets, variables, sentences and real numbers. Slopes of lines, solving equations and inequalities algebraically, and the use of graphs are also included. Problem solving strategies are explored. Factoring polynomial expressions and applications of quadratic equations, together with an introduction to probability and statistics.

Algebra I (a & b)

SCED: 02052 #

Suggested Grade Level: 9, 10, 11, 12

Length: First and Second Semester

This course includes a review of sets, variables, sentences and real numbers. Slopes of lines, solving equations and inequalities algebraically, and the use of graphs are also included. Problem solving strategies are explored. Factoring polynomial expressions and applications of quadratic equations, together with an introduction to probability and statistics.

Geometry (A & B)

SCED: 02072 #

Recommended: Algebra I (A & B) or Algebra IA/B

Suggested Grade Level: 10, 11, 12

Length: First and Second Semester

Plane Geometry: There are two main reasons for this course. One of them is found in the material itself. The properties of figures in two and three dimensions. Also, in a geometric problem there is often scope for ingenuity, intuition and imagination. This material is both interesting and helpful in other areas of mathematics.

Algebra II/Trig (A & B)

SCED: 02106 #

Recommended: Geometry (A & B)

Suggested Grade Level: 11, 12

Length: First and Second Semester

Algebra II is designed to contain a small portion of review coupled with a greater selection of new material. With this, there is a goal to solidify and build on the student's foundation of Mathematics. This class will investigate into the world of Algebra and Trigonometry for understanding and preparation, intended for a life of continual mathematical experiences.

Essentials of Math (*this course has not yet been approved*)

SCED:

Recommended:

Suggested Grade Level:

Length:

Discrete Mathematics

SCED: 02102 #

Recommended: Algebra II A

Suggested Grade Level: 11, 12

Length: Second Semester

A one-semester course designed to cover topics not covered in Algebra II and Calculus. Accelerated topics include matrices, determinants, statistics, probability, vectors and others. Current textbook Algebra II and UCSMP: Pre-calculus & Discrete Mathematics. Other texts may be used.

Calculus (A & B)

SCED: 02121 #

Recommended: Algebra (A & B)

Suggested Grade Level: 12

Length: First and Second Semester

This course consists of selected math topics. Some of these are: Plane trigonometry, analytical geometry, calculus, theory of equations and theory of numbers.

Consumer Mathematics

SCED: 22210

Suggested Grade Level: 11, 12

Length: First or Second Semester

A one-semester course that covers insurance, mortgages, financial planning, retirement planning, credit, taxes, and lease plans. There will be guest speakers and other activities. No prerequisites but only juniors and seniors are eligible to enroll.

MUSIC

Band

SCED: 05101

Suggested Grade Level: 9, 10, 11, 12

Length: First and/or Second Semester

This course is open to all students in grades 9 – 12 who have experience playing a band instrument. Areas of rehearsal, study and performance include: Marching Band, Concert Band & Pep

Band. There are also a number of opportunities for solo/small group work and individual select ensembles as well as Jazz Band. Class time will be devoted to the study of various musical compositions in a wide variety of styles and emphasize development of individual and ensemble musicianship. Attendance at lessons, various contests and concerts outside of class are required. Required materials include: instrument (some school horns available), lyre, flip folder, marching shoes and band t-shirt, and lesson book. A schedule of yearly events will be provided at the beginning of the course.

Concert Chorus

SCED: 05110

Suggested Grade Level: 9, 10, 11, 12

Length: First and/or Second Semester

High School Chorus is an elective course open to all students' grades 9 – 12. A variety of choral music is presented at such annual events as Vesper, March & May concerts, State Solo & Ensemble Contest, selected Honors Choirs, and Large Group Contest. All students will be required to attend a minimum of five lessons each quarter. Students will also be given different writing assignments that do count towards the grade. Students will receive a letter grade. Each student will need maintain a "C" average in Choir during the semester to be eligible to return for the next semester. All freshmen will be in this choir.

Chamber Choir

SCED: 05111

Recommended: Concert Chorus

Suggested Grade Level: 10, 11, 12

Length: First and/or Second Semester

Chamber Choir is a semester elective course open only to students who are recommended for placement by the instructor after an audition. Only students in grades 10-12 will be eligible to participate in this group. The Chamber Choir will perform at all choral events. Chamber Choir will be a premiere group that will perform some of the greatest choral works ever composed. This class should only be considered by those truly dedicated to choir. Group numbers will vary. Auditions will be held every semester.

Music Independent Study

SCED: 05147

Recommended: Instructor Permission

Suggested Grade Level: 11, 12

Length: First and/or Second Semester

This course is for students with class schedule conflicts. Course may be tailored to the student's needs.

PHYSICAL EDUCATION

Personal Wellness

SCED: 08016

Suggested Grade Level: 9, 10, 11, 12

Length: First and/or Second Semester

This class will be primarily aimed at the person who does not

desire to compete in game or lift free weights for their physical education credit. Stretching, cardio equipment use, and weight lifting machine exercises will be included in the class. The ultimate goal of the course will be to improve overall fitness. This course will replace the regular physical education credit for the semester in which it is taken. This course may be repeated, but will always replace the regular physical education class. Students may NOT take both.

Physical Education Varsity Sport

SCED: 08014

Grade Level: 11, 12

Length: First and/or Second Semester

This credit is available to juniors or seniors who participate at the varsity level in a Mediapolis Community School sport for the full season, and who successfully complete this sport. The sport must also be certified by the State of Iowa as an eligible sport to qualify. For specific sports that meet this criteria please see the counseling office. The paperwork for this credit must be completed the semester prior to participation in the sport.

Strength and Conditioning

SCED: 08009

Suggested Grade Level: 9, 10, 11, 12

Length: First or Second Semester

This class will be primarily aimed at the serious weight lifter (for example male and female athletes). Free weight lifting, stretching, and conditioning exercises will be included in the class. The ultimate goal of the course will be to improve muscular strength plus flexibility and conditioning. This course will replace the regular physical education credit for the semester in which it is taken. This course may be repeated, but will always replace the regular physical education class. Students may NOT take both.

Team Sports

SCED: 08002

Suggested Grade Level: 9, 10, 11, 12

Length: First and/or Second Semester

This course is designed to give each student the opportunity to participate in physical activity through a variety of team sports. Types of activities will be as follows: Badminton, Floor Hockey, Pickleball, Dodgeball, Tchoukball, Ultimate Frisbee, Team Handball, and Flickerball.

SCIENCE

Incoming freshmen, who would like to advance from Physical Science into Biology, should see Miss Cusick prior to the end of the 8th grade year.

Physical Science (Physical Science A)*

SCED: 03159 #

Suggested Grade Level: 9

Length: First Semester

The Physical Science course begins with fundamental concepts

(i.e.: scientific method, parts of an experiment, metric conversions & measurements), and then progresses into physical science concepts. Topics covered include: motion & forces, energy & matter, properties of matter and atoms. This course is required of all freshmen.

Earth Science (Physical Science B)*

SCED: 03001 #

Suggested Grade Level: 9

Length: Second Semester

The Earth Science course covers concepts from earth science and astronomy. Topics covered include: the rock cycle, geologic time, weather, our solar system and the universe. This course is required of all freshmen.

Biology I (A & B)*

SCED: 03051 #

Suggested Grade Level: 10

Length: First and Second Semester

Students will discover the many fields of biology. Students will see how biology, the study of life, directly applies to their health, life, and future. This course is a two semester course and will cover general biology; which includes the scientific method, chemistry of life, ecosystems, cells, genetic material, and evolutionary theory, history of life, classification, bacteria, and viruses.

Zoology (Biology II A)

SCED: 03061 #

Recommended: Biology I (A & B)

Suggested Grade Level: 11, 12

Length: First Semester

Zoology is designed for students who desire to continue their biological studies of animal body systems. Students will use their text and preserved specimens to study the structure and function of these systems. Students will familiarize themselves with the evidence of the evolutionary mechanism responsible for speciation of our planet.

Marine Science (Biology II B)

SCED: 03005 #

Recommended: Biology I (A & B)

Suggested Grade Level: 11, 12

Length: Second Semester

This course will be focusing on marine biology which will include a global perspective emphasizing the world's oceans and seas. This course will introduce students to marine geology, physics, and chemistry. Students will explore the marine environment and its many ecosystems. They will also survey the diversity of marine life through the classification and phylogeny of selected organisms. Students will investigate the many ways in which humans interact with the world ocean.

Anatomy and Physiology (Body Systems)

SCED: 03053 #

Suggested Grade Level: 10, 11, 12

Length: First Semester

This course is categorized as a science elective. This class will involve exploring the major systems of the body and their functions. The course is a more basic look at the body than the Anatomy course. This course will include hands-on labs. This course is intended for those with an interest in the biological sciences. Units covered: Skeletal System, Muscular System, Endocrine System, Nervous System, Lymphatic System, and the Digestive System.

Genetics

SCED: 03059 #

Recommended: Biology I (A & B)

Suggested Grade Level: 11, 12

Length: Second Semester

This course will discuss basic genetics and explore issues associated with modern genetics, also explore genetic disorders. This course is an extension of Biology A & B genetic topics. Units Covered: History of Genetics, Modern Genetics, The Future of Genetics/Human Genome Project.

Chemistry (A & B)

SCED: 03101 #

Recommended: Physical Science & Algebra I

Suggested Grade Level: 10*, 11, 12

Length: First and Second Semester

The class and laboratory are designed to acquaint the student with the basic concepts involved in the study of the structure, composition, and make up of matter. Labs and activities are designed to reinforce theory topics and develop skills in using the scientific method. *Sophomores need permission of instructor.

Anatomy (A & B)

SCED: 03054 #

Recommended: Biology I (A & B) with a "B" grade or higher, or Biology I and II, or Biology I & Body Systems and Genetics

Suggested Grade Level: 11, 12

Length: First and Second Semester

This course is designed for advanced science students who desire to study the human body in detail. This course is highly recommended for those who wish to have a career in the health field. All body systems will be covered, with dissections of rats and/or cats. Dissection is an integral part of the learning process in this course.

Environmental Science (A & B)

SCED: 03003 #

Suggested Grade Level: 10, 11, 12

Length: First and Second Semester

Environmental Science is a two semester course. You may opt out of the second semester. In this course students will recognize that environmental science is an interdisciplinary approach to the problems of the environment. An examination and evaluation will be made of man's impact on the environment, both locally and globally. Specific topics that may be covered but are not limited to: natural resources, ecosystems, population growth, and various forms of pollution. Students

will participate in the school wide recycling program and fieldwork that accompany this course.

Botany (Horticulture)

SCED: 03058 #

Suggested Grade Level: 9, 10, 11, 12

Length: First or Second Semester

This botany course is designed as an introductory course that will cover topics such as horticulture careers, plant taxonomy, physiology, and growth requirements. Students will explore the importance and diversity of plants. Students will investigate how plants have evolved and how this change has ensured their survival. Some fieldwork and research will be involved in these explorations of the plant world.

Physics (A & B)

SCED: 03151 #

Recommended: 2 years of Science & Algebra I

Suggested Grade Level: 11, 12

Length: First and Second Semester

Physics is the study of the relationships between matter and energy. Areas covered in class and labs include motion, forces, light, magnetism, and electricity. Most lab activities are student developed to introduce important concepts.

Life and Physical Science Independent Study

SCED: 03997

Instructor Permission Required

Suggested Grade Level: 9, 10, 11, 12

Length: First and/or Second Semester

An original laboratory or fieldwork project of special interest to the student is pursued under the supervision of the instructor. Or course offered when another science class is not available to the student – student must have permission of instructor.

SOCIAL STUDIES

Western Civilization*

SCED: 04063 #

Suggested Grade Level: 10

Length: First or Second Semester

A survey of the cultural and historical concepts leading to our contemporary civilization. The course will cover world history from the dawn of man to the mid-eighteenth century with large units on the ancient Greeks and Romans, exploration, and the European renaissance, and the religious reformation.

World Geography*

SCED: 04001 #

Suggested Grade Level: 10

Length: First or Second Semester

A survey of the geographic regions of the earth as well as their historical, political and climatic diversity. Focus will be on map reading and how the environment guides one's way of life.

American History (A & B)*

SCED: 04101 #

Suggested Grade Level: 11

Length: First and Second Semester

First Semester covers the Colonial period to 1900 and includes a broad overview of the events and cultural changes of the period with emphasis on the American Revolution, problems with the new nation, the Civil War and the events leading to it, and the emergence of the United States as a world power. Second Semester includes the story of the United States continues with World War I and how it set the stage for World War II. Other topics to be covered extensively are the "boom" of the 1920's and the "bust" of the 1930's, the World War II era and its effects, the civil rights movement of the 1940's and 50's, the "good times" of the 1950's and tumultuous 1960's.

American Government*

SCED: 04151 #

Suggested Grade Level: 12

Length: First Semester

American Government is a survey course including Federal, State and Local Government with emphasis on Federal Government.

Legal System (Law and the Courts)

SCED: 04165 #

Suggested Grade Level: 12

Length: Second Semester

This course covers the study of the nature and causes of delinquency and crime, how the law applies to youth, and the application and study of court procedures. Includes Constitutional Law and the Bill of Rights.

Contemporary World Issues (Conflicting Cultures)

SCED: 04064 #

Suggested Grade Level: 10, 11, 12

Length: Second Semester

A look into the clash between Eastern and Western cultures in the world today: The class would focus on how the history of the Middle East, India, the Far East, and Russia relates to the current conflicts happening in today's world. The class will examine problems such as terrorism, poverty, overpopulation, pollution, and the student's role in the changing future.

Modern U. S. History

SCED: 04103 #

Suggested Grade Level: 10, 11, 12

Length: Second Semester

An intensive study of U. S. History from 1945 to the present day: Topics would include the Space Race, the Cuban Missile Crisis, the Civil Rights Movement, the Vietnam War, the Iran Hostage Crisis, the collapse of the Berlin Wall, the breakup of the Soviet Union, Operation Desert Storm, the Oklahoma City Bombing, 9/11, and a focus on the conflicts in the world today.

Economics

SCED: 04201 #

Suggested Grade Level: 12

Length: First or Second Semester

Includes production, distribution and consumption of goods, and services in our society. Units of study include consumer behavior, banking, modern production, corporate business, stock exchange procedure, and government's role in business, interest and insurance.

Sociology

SCED: 04258 #

Suggested Grade Level: 11, 12

Length: First Semester or Second Semester

This study of man in society is designed to give an understanding of the similarities between cultures. The evolution of culture from that of primitive man to the complex modern society is studied, with special attention on the trends of the change creating the problems of today.

Psychology

SCED: 04254 #

Suggested Grade Level: 11, 12

Length: Second Semester

Designed to increase self-understanding. The effects of heredity and environment on intelligence and personality, the way personalities are formed; the problems of mental illness, alcoholism, and drug addiction are among the topics of discussion. Experiments involving student's participation and utilization of guest speakers will be highlights of the course.

Social Studies Independent Study

SCED: 04297

Instructor Permission Required

Suggested Grade Level: 12

Length: Second Semester

Designed to challenge the inquiring mind. A semester course with 21 study topics chosen by the student with instructor concurrence, to be conclude in 9 weeks each. Independent study will replace the class attendance with the student using his free time for unsupervised library research. Periodic oral reports will be arranged with the instructor during each 9-week period. At the end of 9 weeks the completion of the study topic, and oral report and completed and adequate term paper will be presented to the instructor for evaluation. This class is designed for students with schedule conflicts only

MULTI DISCIPLINARY

Career Exploration

SCED: 22151

Suggested Grade Level: 9, 10, 11, 12

Length: First or Second Semester

This course will give students the skills necessary to make informed choices concerning all aspects of career decision-making. Students will explore their interests, abilities, aptitudes

and values as they relate to potential occupations. Students will be exposed to a wide range of jobs through, guest speakers, videos, the media and personal interviews. All levels and types of training opportunities will be explored including colleges, vocational schools, the military, on the job training and apprenticeships. Units on job seeking and keeping skills will be included. Each student will learn how and where to look for jobs, how to write resumes and fill out applications how to interview successfully. This course is offered on a satisfactory/unsatisfactory basis.

Honors Symposium

SCED: 22101

Instructor Permission Required

Suggested Grade Level: 9, 10, 11, 12

Length: First and/or Second Semester

This course is designed to help and meet the needs of those students who have demonstrated above-average ability, creativity, and task commitment and who desire an opportunity to develop skills and aptitudes not generally provided for in the traditional classroom. Independent Study and/or extended internships are two possible components of this class. A committee of teachers, counselor, and administrators carefully screen applicants to the program. May be repeated for credit with instructor approval. Priority will be given to juniors and seniors should too many students register for this course.

STUDENT SERVICES

Learning Strategies

SCED: 22005

Suggested Grade Level: 9, 10, 11, 12

Length: First and/or Second Semester. Only one credit per semester may be earned. In order to enroll in this class, a student must qualify through testing procedures performed by the school psychologist and qualify for services through an Individualized Education Plan (IEP). The special education room is available to students with learning disabilities or other health concerns. Students in the special education room are required to have individual education plans (IEP), outlined by the special education team. The special education program offers specialized interventions that will enhance the educational progress of students with learning disabilities or other health concerns. The curriculum varies according to each student's Individualized Education Program but includes five basic areas of reading, mathematics, written expression, adaptive skills, and vocational. Students are evaluated on an individual basis by formal and informal measures and by teacher observation.

Self Contained Instruction

SCED: 22005

Suggested Grade Level: 9, 10, 11, 12

Length: First and/or Second Semester

In order to enroll in this class, a student must qualify through testing procedures performed by the school psychologist and be recommended for an Individualized Education Plan by the team.

The SCI program offers specialized interventions that will enhance the educational progress of students with disabilities or other health concerns. Students work on academic skills in course content areas. The curriculum varies according to each student's Individualized Education Plan.

Study Skills

SCED: 22004

Suggested Grade Level: 9, 10, 11, 12

Length: First and/or Second Semester

The purpose of study skills is that students have individualized time to work with a teacher one on one to maintain academic progress. A key part of that will be organizational methods and study skills to improve achievement. Students may be scheduled for a clock of time and receive credit or be assigned during seminar. Enrollment is determined by teacher, counselor, administration or parent referral.

DRIVER EDUCATION

Driver Education

SCED: 08152

Suggested Grade Level: 10

Length: Summer Only

There is a requirement that any person between the ages of 16-18 years who wishes to secure an operator or chauffeur's license shall have successfully completed and approved driver education course. State requirements are a minimum of 30-clock classroom hours and 6 clock hours of actual behind the wheel. To meet the necessary requirements no student could be absent from the classroom more than 1 period. Instruction will be given on the automatic transmission only. Students must be at least 14 on the first day of the course to enroll, and have a permit.

Senior Year Plus

Courses delivered through Senior Year Plus provide students with the opportunity to take rigorous college curriculum and receive, in many cases, both high school and college credit concurrently. Iowa high school students enroll in college coursework through a variety of mechanisms including Postsecondary Enrollment Option (PSEO), courses delivered through sharing agreements between community colleges and local school districts, and enrollment in college courses independently as a tuition paying student. Additionally, students enroll in high school courses that postsecondary institutions recognize for college credit or advanced standing.

The following categories are listed under the Senior Year Plus program. It is Mediapolis Community High School's requirement that if a student fails a college class (Concurrent Enrollment, PACE, or Career Academy), the student is ineligible to take another college class the following one semester. For example: a 1st semester junior fails Introduction to Sociology (taken via the PACE program), he/she is ineligible to take a college class the 2nd semester of the junior year.

Concurrent Enrollment

Concurrent enrollment courses are offered through an agreement between community colleges and school districts. Through the program, community college courses are offered to classes of high school students. The classes are college classes – even if they are held in a school district classroom. These courses earn both college and high school credits with every three hours of college credit earning one high school credit. The instructor may be a community college instructor or a high school instructor. The curriculum is the same as that taught to other college students.

Advantages of the concurrent enrollment programs for students are:

- *They save time and money with the chance to get a jump-start on college
- *They gain experiences, which lead directly to degrees, diplomas, certification and/or apprenticeships.
- *They receive college privileges, including use of the library and free admission to sporting events.
- *They have increased opportunities to earn scholarships from colleges.
- *Courses are taught by college instructors, most of who have had extensive employment experience in their field of expertise.

Students who are interested in enrolling in any of these courses must see the school counselor. Concurrent enrollment courses are normally limited to juniors and seniors, though sophomore students who are identified as talented and gifted may also enroll.

Iowa Communications Network Courses

The Iowa Communications Network offers students an opportunity to take courses via a fiber optics connection at Mediapolis Community High School. This involves interactive communication between a sending site and one or more receiving sites. With video (via television screens) and audio (via microphones) students can see, hear and respond to what is happening in a classroom at a distant site.

Courses offered over the ICN in the past include: German I, German II, German III, German IV; Elementary French I & II

Courses offered via the polycom in the past include: Russian, Arabic, Chinese, Spanish

To register for these courses, students must contact the school counselor and complete enrollment forms.

Postsecondary Accelerated Credit Experience (PACE)

The Postsecondary Accelerated Credit Experience allows 11th & 12th grade students, and younger students who have been identified as talented and gifted, to enroll part time (less than 12 hours per semester) at eligible community colleges, state universities, or private college or universities. Students may enroll only in courses, which are not offered at their high school. Southeastern Community College offers a similar program called PACE (Post-secondary Accelerated Credit Experience).

Under the PACE Program, the high school will pay for tuition. Students must purchase the books. If they successfully complete the course (C- or better grade) and present a receipt for the book, the school will refund one half of the original purchase price. Special arrangements may be made for students who meet income guidelines. Reimbursement must be made by the student should they not complete the course or receive a failing grade in the course.

Students may receive credits both in high school and at the post secondary institution if they complete the course successfully. The grades automatically become part of the post secondary transcript.

Students interested in taking post-secondary courses must see the school counselor for registration materials and counseling on eligible courses. Registration is required to be completed within two weeks of registration opening for the high school courses.

Since the number of courses available to students under the PACE is limited only by the number of courses available at the state's community colleges and universities, they cannot all be listed here. Traditionally, most students have enrolled at Southeastern Community College. College catalogs and correspondence catalogs are available in the counseling office or students may go to the school's web sites.

Students who enroll in a PACE class must schedule a regular block of time to work on-line in the designated Mediapolis Community High School classrooms. To enroll in a PACE course, students must be proficient (41st percentile) in the areas of Reading Comprehension, Mathematics, and Science Reasoning on Iowa Tests of Educational Development (ITED).

Career Academy

Career academies are programs of study offered to high school students through an agreement of contract between their high school and a community college. They bridge high school and community college CTE programs. Southeastern Community College offers several courses specifically for high school students through the career academy program. These courses are for dual credit – both high school and college.

Tuition is paid by the high school. Students must purchase the books. If they successfully complete the course (C- or better) and present a receipt for the book(s), the school will refund one half the original purchase price. Special arrangements may be made for students who meet income guidelines.

Career Academy courses will be offered in the following areas: Agriculture, Auto Technology and Auto Collision Repair, Construction Technology, Graphics and Media Communication, Health Sciences and Welding.

A complete list of courses and course locations are available in the counseling office. Students must register through the counseling office within two weeks of the high school registration opening date.

Advanced Placement

The Advanced Placement (AP) program is a collaborative program between motivated students, teachers and committed high schools and colleges. The program started in 1955 and since that time millions of students have taken college level courses and exams to earn college credit or placement while still in high school.

The program allows students to take selected courses for high school credit and then to earn college credits through an exam process. The cost of the exam is approximately \$80.00. Students will be responsible for the cost of the exam and must pay prior to enrolling in the course. Students who take AP courses may gain an edge in preparing for college. They will get a head start on the sort of work they will face in college and may improve their writing, problem solving and study skills for college. Completing AP courses may also aid in the college admission and scholarship search process by demonstrating readiness for college and showing a willingness and ability to commit to academic excellence.

The courses also challenge individuals to broaden their intellectual horizons. Students study subjects in greater depth and assume the responsibility of reasoning, analyzing and understanding for themselves. AP courses at Mediapolis Community High School are available through the Iowa Online AP Academy and are administered through the Talented and Gifted Program. Students enrolling in the courses must demonstrate the ability to be successful in a rigorous academic environment. Proof of such ability might come from grade point averages, teacher recommendations, or standardized test scores. Some AP courses require students to complete a pre-test in the subject area. It is recommended that students be at least sophomores before enrolling in an AP class.

Students who enroll in an AP class must schedule a regular block of time to work on-line in the Talented and Gifted Room. To enroll in an AP course, students must receive permission from the School Counselor and the Talented and Gifted instructor.

The following AP courses are offered free of charge. However, there are additional AP courses that require a fee at the student's expense.

AP Calculus AB

SCED: 02124 #

Recommended: Trigonometry, & Pre-Calculus

Suggested Grade Level: 9, 10, 11, 12

Length: First and Second Semester

Students learn to understand change geometrically and visually (by studying graphs of curves), analytically (by

studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. The equivalent of an introductory college-level calculus course, AP Calculus AB prepares students for the AP Exam and further studies in science, engineering, and mathematics.

AP Chemistry

SCED: 03106 #

Recommended: Chemistry & Algebra II

Suggested Grade Level: 9, 10, 11, 12

Length: First and Second Semester

After studying the structure of atoms, molecules, and ions, students solve quantitative chemical problems and explore how molecular structure relates to chemical and physical properties. Students will examine the molecular composition of common substances and learn to predictably transform them through chemical reactions. The equivalent of an introductory college-level chemistry course, AP Chemistry prepares students for the AP Exam and for further study in science health sciences, or engineering.

AP English Language & Composition

SCED: 01005 #

Recommended: Advanced English

Suggested Grade Level: 9, 10, 11, 12

Length: First and Second Semester

Students read works from a variety of authors, exploring language, including syntax, imitation, word choice, and tone. They'll also learn about their own composition style and process, starting with exploration, planning, and writing, and continuing through editing, peer review, rewriting, polishing, and applying what they learn in many contexts. The equivalent of an introductory college-level survey class, this course prepares students for the AP Exam and for further study in communications, creative writing, journalism, literature, and composition.

AP English Literature & Composition

SCED: 01006 #

Recommended: Advanced English

Suggested Grade Level: 9, 10, 11, 12

Length: First and Second Semester

Students immerse themselves in novels, plays, poems, and short stories from various periods. Students will read and write daily, using a variety of multimedia and interactive activities, interpretive writing assignments, and class discussions to assess and improve their skills and knowledge. The equivalent of an introductory college-level survey class, this course prepares students for the AP Exam and for further study in creative writing, communications, journalism, literature, and composition.

AP Physics

SCED: 03155 #

Recommended: Algebra II, Physics

Suggested Grade Level: 9, 10, 11, 12

Length: First and Second Semester

AP Physics B is a non-calculus survey course covering five general areas: Newtonian mechanics, thermal physics, electricity and magnetism, waves and optics, and atomic and nuclear physics. Students will gain an understanding of physics' core principles and then apply them to problem-solving exercises. The equivalent of an introductory college-level course, AP Physics B prepares students for the AP Exam and for further study in science and engineering. The College Board strongly recommends Physics B as a second-year course following the usual introductory physics course

AP U.S. History

SCED:

Suggested Grade Level: 9, 10, 11, 12

Length: First and Second Semester

AP U.S. History courses provide students with the analytical skills and factual knowledge necessary to address critically problems and materials in U.S. history. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past.

AP Statistics

SCED:

Suggested Grade Level: 9, 10, 11, 12

Length: First and Second Semester

AP Statistics gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They'll learn to effectively design and analyze research studies by reviewing and evaluation real research examples taken from daily life. The equivalent of an introductory college-level course, AP Statistics prepares students for the AP Exam and for further study in science, sociology, medicine, engineering, political science, geography, and business.

