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COURSE HANDBOOK

2019-2020

UNDERWOOD BOARD OF DIRECTORS BELIEF STATEMENTS

THE UNDERWOOD COMMUNITY SCHOOL BOARD BELIEVES THAT:

1. Education is an active partnership involving the school, the family, and the community.
2. Prudent fiscal management is essential to the District's future.
3. All students can learn and succeed.
4. Effective education recognizes, develops and enhances the uniqueness of the individual.
5. Technology is vital to our students' futures.

UNDERWOOD SCHOOL MISSION STATEMENT

The mission of the Underwood Community School District is as follows:

Preparing students to meet the challenges of the 21st Century.

HIGH SCHOOL GOALS 2019-2020

1. Students will leave the Underwood School District ready for college, the military, and/or the workforce.
2. Students will approach complex problems using a growth mindset.
3. Students will be able to communicate with research-based writing.
4. Students will build knowledge through reading informational and literary texts.

NON DISCRIMINATION – EQUITY STATEMENT

The district does not discriminate on the basis of color, religion, sexual orientation, gender identity, SES, gender, race, national origin, creed, age, marital status, or disability in its educational programs, activities, or employment practices, or as otherwise prohibited by statute or regulation.

GRADUATION REQUIREMENTS

High school students need forty-eight (48) credits for graduation. They are required to take six classes daily, plus physical education each semester. Seniors must take five classes, plus physical education. High school courses taken at the middle school level and approved through the guidance counselor will be given high school credit and count toward the student's high school GPA and class rank.

Specific required courses are as follows:

English – 8 credits

One year of English Language Arts I

One year of English Language Arts 2

One year of English Language Arts 3

Two electives

English 4, Composition, Advanced Reading, Public Speaking, Drama, and IWCC English Comp I and English Comp II will be offered as your choices for electives.

Math – 6 credits (earned in grades 9 – 12)

Algebra and Geometry will be given high school credit if taken at the middle school. In addition, six credits must be earned at the high school level. If a student has taken both Algebra & Geometry in 7th & 8th grade, he/she may elect to earn two math credits through approved upper-level IWCC math courses.

Science – 6 credits

One year of Biology

One year of Physical Science

Two credits of the following electives: Physics, Chemistry, Anatomy and Physiology (Human Physiology), Environmental Science

Social Studies – 6 credits

One year of World History

One year of American History (U.S. History)

One semester of Economics

One semester of U.S. Government

Fine Arts – 1 credit

Earned through Art, Band, Drama/Stagecraft, Graphic Arts/Yearbook

Vocational – 3 credits

The credits may be earned through Business, Computers, Industrial Technology, Marketing Education or Family and Consumer Science.

Choir – ½ credit

Show Choir – ½ credit

Physical Education - ½ credit

Successful completion of each grade level integration project, successful completion of a structured portfolio, and completion of I Have a Plan Iowa.org for each year of attendance in High School are also required.

Most courses offered at Underwood High School earn one credit per semester.

POST-SECONDARY ENROLLMENT OPTIONS ACT

The Post Secondary Enrollment Options Act (Chapter 261C, Iowa Code) allows students the opportunity to enroll part-time in an eligible community college, State University, private college or university. Iowa Western Community College is often an attendance center for UHS students.

Specific criteria must be met to be eligible for this program. In following the Senior Year Plus requirements, students wishing to take college level courses ***must be proficient*** (above the 41% National Percentile) in Reading Comprehension, Math: Concepts & Problem Solving, and Science on state wide assessments. And for IWCC specifically, students must have a cumulative GPA of 2.60 or higher. No courses can be remedial courses. Students who may be interested in this option should contact the counseling center during pre-registration for more information. Students must pay a \$35 registration fee, buy or rent their own books, and provide their own transportation.

NOTE: Fall registration will begin April 2019 and Spring Registration is usually mid-November. Deadlines will be enforced and students will be made aware of those deadlines.

EARLY GRADUATION

Some students may desire to graduate before the end of four years of high school. Students who have this desire need to discuss it with the counseling center prior to registering for classes for the freshman year and again each year thereafter. This is necessary in order to include required upper level classes into the students' schedules at the times they are offered.

Students who graduate early are not allowed to participate in school extra-curricular activities. No formal graduation ceremonies will be held until spring; however, students who have graduated early may participate in the spring graduation exercises and prom.

RECOMMENDATIONS

It is recommended that each student take at least two semesters of Fine Arts and 2 years of Vocational Courses. It is also recommended that each student take part in one or more co-curricular activities each semester.

EXTRA & CO-CURRICULAR ACTIVITIES

Football	Dance Team	Art Club
Girls Volleyball	Cheerleading	Science Club
Boys Basketball	Student Council	Teacher Aide Program
Girls Basketball	Flags/Marching Band	JOI Club (Junior Optimist International)
Wrestling	Yearbook Staff	Boys Track
Vocal Music/Choir	Golf	Girls Track
Show Choir	Speech Club	Cross Country
Jazz Choir	Spanish Club	Baseball
Marching Band/Pep Band	National Honor Society	Boys Soccer
Concert Band/Jazz Band	Play/Drama	Girls Soccer
	Musical/Variety Show	Softball

COURSE DESCRIPTIONS

ART

05156 Creative Art Drawing –Semester One – This course will be a focus on black and white drawing through the use of pencil. We will also explore many of the Elements of Art and Principles of design such as Line, Shape, Form, Texture, and Space. Projects will include but not be limited to Textures, self portraits, shading the forms, and others. **Semester Two** – We will start exploring different mediums including, but not limited to, Pen and Ink, Pastels, Sumi Ink and others. We will begin to explore different types of styles including Japanese painting, Impressionism, Manga, and others. (*Must successfully complete semester one before taking semester two.*)
Grade Level: 9 – 12 Course Length: Year
Prerequisite: None

05157 Creative Art Painting– This will be taught as a one semester class that will focus in on the creation of canvas works of art. We will explore different types of painting and different techniques of how it is created. We will focus in on three different types of paint, watercolor, Tempera, and Acrylic. We will discuss different styles of art such as Abstract, Pop Art, Color Scheme Painting, and others while also touching on different artists and how their works were influenced. We will explore Landscapes, Self-Portraits, and abstract.
Grade Level: 9 – 12 Course Length: Semester
Prerequisite: None

05158 Creative Art Sculpture – This will be taught as a one semester course that will focus in on the 3-D aspect of art. We will study different types of sculpture as they relate to different artists. We will study abstract expressionism with Frank Stella, and pop art with Claes Oldenburg. We will also explore the idea of mixed media. The mediums will include but not be limited to Cardboard, Plexiglas, and pewter casting.
Grade Level: 9 – 12 Course Length: semester
Prerequisite: None

05159 Ceramics and Pottery – This will be taught as a two semester course. **Semester One** will focus in on the hand built side of ceramics. Students will begin to learn the characteristics of the raw material and the transformation of clay in the kiln. We will study different types of ceramics and how each one is different in its own way, such as fine china vs. Oaxaca Mexican figurines. **Semester Two** will be larger works of art and we will begin to introduce the wheel to the students.
Grade Level: 9 - 12 Course Length: Semester (two optional)
Prerequisite: None

05161 Printmaking – Printmaking courses introduce students to a variety of printmaking techniques using processes such as relief printing (monoprint, collograph block); intaglio (etching and engraving); and perigraphy (silkscreen films, stencils, block-out). These courses emphasize design elements and principles and introduce art criticism as applied to fine art prints. Lessons may also include the historical development of printmaking in Western and non-Western cultures.
Grade level: 9-12 Course Length: Semester
Prerequisite: None

05162 Graphic Design – Graphic Design courses emphasize design elements and principles in the purposeful arrangement of images and text to communicate a message. They focus on creating art products such as advertisements, product designs, and identify symbols. Graphic Design courses may investigate the computer's influence on and role in creating contemporary designs and provide a cultural and historical study of master design works of different periods and styles. This class will also be responsible for creating programs for all school functions, adding images and stories to the school website, and creating images and designs for the High School announcement board.

Grade level: 9-12

Course Length: Year

Prerequisite: None

05167 Photography – This will be a one semester course that will deal with the digital side of photography. We will discuss the use of a digital camera vs. a 35mm SLR and also the use of Photo manipulation software. We will discuss and explore three different types of Photographers, Photojournalists, portraits, and fine art photographers. We will also discuss what makes a good photograph.

Grade level: 10-12

Course Length: Semester

Prerequisite: Three previous art classes and Instructor approval

05170 Art Portfolio Independent Study – This will be taught as a year long course. Students will create a professional portfolio and show their work at a show at the end of the year including an artist's statement for each piece they create. Students can use any medium they are interested in or focus in on one certain medium. Students will begin to create their own style.

Grade level: 10-12

Course Length: Year

Prerequisite: Four previous art courses and Instructor approval

05197 Visual Art Independent Study – This will be a one year course where students will focus in on only one medium and work for a master in that sole medium.

Grade level: 10-12

Course Length: Year

Prerequisite: Four previous art courses and Instructor approval

11104 Integrated Fine Art Yearbook – Students will create a yearbook focusing in on the aspect of Layout, Creation of Text, and Ad Sales. The book will be publicized for sale to the student body and general public. We will also begin to create books that will be submitted for contest.

Grade Level: 10-12

Course Length: Year

Prerequisite: Instructor approval

BUSINESS AND COMPUTER EDUCATION

Computer Classes:

10004 General Computer Applications I - This course is designed for students who need basic computer skills. This course provides experience in the proper use of previously written software packages including Microsoft Office 2003. A wide range of applications are explored including word processing, spreadsheet program, data base program, and presentation software. Exercises and problems can be from any field, but will mainly focus on the business environment.

Grade Level: 9 - 12

Course Length: Semester

Prerequisite: none

10005 General Computer Applications II - This course will introduce e-mail management and desktop publishing. The course is designed to expand the knowledge of Computer Applications I. Multi-tasking and integrating the different types of applications will be introduced. Applications will be expanded and more problem solving skills will be implemented. Exercises and problems will continue to focus on the business environment.

Grade Level: 9 - 12

Course Length: Semester

Prerequisite: General Computer Applications I

10152 Computer Programming – Computer Programming courses provide students with the knowledge and skills necessary to construct computer programs in one or more languages. Computer coding and program structure are often introduced with the BASIC language, but other computer languages, such as Visual Basic (VB), Java, Pascal, C++, and COBOL, may be used instead. Initially, students learn to structure, create, document and debug computer programs, and as they progress, more emphasis is placed on design style, clarity, and efficiency. Students may apply the skills they learn to relevant applications such as modeling, data management, graphics, and test-processing.

Grade Level: 9-12

Course Length: Year

Prerequisite: None

10201 Web Page Design – Web Page Design courses teach students how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages – such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model – to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals.

Grade Level: 10 – 12

Course Length: Semester (two optional)

Prerequisite: General Computer Applications I

BUSINESS CLASSES:

22210 Personal Finance – This course focuses on the role of student, citizen, family member, consumer, and active participant in the business world. The intent of this course is to inform the students of various financial responsibilities including but not limited to; writing checks, savings accounts, personal record keeping, insurance needs, income tax records and hands-on activities of real-life situations. It will provide them with opportunities for self-awareness, expression, and satisfaction in a highly technical and competitive society.

Grade Level: 11-12

Course Length: Semester

Prerequisite: None

12104 Accounting - This course is designed for students who wish to pursue careers in the business field. More than 80 percent of students who go to college and those who do not go to college but pursue a career in owning their own business need this type of course. This course introduces and then expands upon the fundamental record keeping procedures used by single-owned business operators. This course focuses on the full accounting cycle, but other topics (i.e. taxes, depreciation, periodic adjustments) may be introduced. Students learn basic auditing techniques to check the accuracy of their work. The later part of the course introduces the elementary principals of partnership and corporate accounting. Calculators, electronic spreadsheets, or other automated tools will be used.

Grade Level: 10 - 12

Course Length: Year

Prerequisite: Intro to Business or Instructors approval

1210 Advanced Accounting - (This course would be an independent study class). Advanced Accounting is a continuation of Accounting. Advanced topics such as control systems and payroll will be explored. Calculators, electronic spreadsheets, or other automated tools may be used.

Grade Level: 11-12

Course Length: Year

Prerequisite: Accounting

12051 Introduction to Business - This is a survey course that covers a variety of topics and concepts related to business. Some of the topics covered during the course are: the structure of businesses, banking and finance, the role of the Government in business, investing, and taxes. In addition, there is a brief overview of the American economic structure and corporate organization.

Grade Level: 9 - 12

Course Length: Year

Prerequisite: None

12152 Marketing General - focuses on the wide range of factors that influence the flow of goods and services from the producer to the consumer. It includes a variety of topics related to providing goods and services, such as marketing research, the purchasing process, distribution systems, warehouse and inventory control, salesmanship, sales promotions, shoplifting and theft control, business management and entrepreneurship, human relations, computers and economics will be covered as well. Job and career exploration is also emphasized.

Grade Level: 10 -12

Prerequisite: Introduction to Business

12165 Principles of Advertising - Principles of Advertising exposes the students to varied concepts underlying the promotion of products. The topics included in Principles of Advertising may include the psychology of advertising, a study of various media, advertising planning and budgeting, and advertising layout and design principles. The course may also include an overview of commercial art and packaging.

Grade Level: 9-12

Course Length: Semester

Prerequisite: Marketing General

12202 Principles of Selling - Principles of Selling provides the students with the knowledge and opportunity to develop in-depth sales competencies. Types of selling, steps in a sale, sales strategies, and skills and techniques in the area of sales may be covered in this class.

Grade Level: 9-12

Course Length: Semester

Prerequisite: None

12166 Marketing Management - Marketing Management covers the same scope of topics as Marketing General, but places a particular emphasis on business management and entrepreneurship, providing exposure to common techniques and problems of management.

Grade Level: 10 -12

Course Length: Semester

Prerequisite: Introduction to Business and Marketing General

FOREIGN LANGUAGE

06101 Spanish 1 - This course gives a basic understanding of the Spanish language and culture. It emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that the student is able to read, write, listen, and speak on a basic level. An appreciation of the culture is also introduced through the study of native fine and/or popular art, literature, food, public behavior and expectation, traditions and holidays, and history. Students will read two short novels, written entirely in Spanish. Focus will be on the present tense.

Grade Level: 9 - 12

Course Length: Year

Prerequisite: None

06102 Spanish II - This course is a continuation of Spanish I. It expands on the basic grammar and syntax, simple vocabulary, and the spoken accent so that the student is able to read, write, listen to, and speak in the target language at a higher skill level. An appreciation of the culture is also continued through the study of native fine and/or popular art, literature, food, public behavior and expectation, traditions and holidays, and history. Students will read two short novels, written entirely in Spanish. Focus will be on the present and preterit tenses.

Grade Level: 10-12

Course Length: Year

Prerequisite: Spanish 1 (C- or above)

06103 Spanish III - This course is a continuation of Spanish II with an emphasis on strengthening the student's previously learned skills. It focuses on more complex grammar and syntax, vocabulary, and the spoken accent so that the student is able to read, write, listen to, speak and respond in the target language. An appreciation of the culture is continued through the study of native fine and/or popular art, literature, food, public behavior and expectation, traditions and holidays, and history. Students will demonstrate their depth of knowledge of the language through the reading and discussion of 2 short novels, written entirely in Spanish. Focus will be on present, preterit and imperfect tenses.

Grade Level: 11 - 12

Course Length: Year

Prerequisite: Spanish 1 and Spanish 2 (C- or above)

Teacher Approval

06104 Spanish IV - This course is a continuation of Spanish III with an emphasis on strengthening students previously learned skills. It focuses on more complex grammar and syntax, vocabulary, and the spoken accent so that the student is able to read, write, listen to, speak, and respond in the target language. An appreciation of the culture is also continued through the study of native fine and/or popular art, literature, food, public behavior and expectation, traditions and holidays, and history. Students will demonstrate their depth of knowledge of the language through the reading and discussion of short stories and two short novels, written entirely in Spanish. Focus will be on present, preterit and imperfect tenses, among others.

Grade Level: 12

Course Length: Year

Prerequisite: Spanish I, Spanish II, and Spanish III (C- or above) Teacher Approval

24252 German I – Designed to introduce students to German Language and culture, German I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. German culture is introduced through the art, literature, customs, and history of the German-speaking people.

Grade Level: 9-12

Course Length: Year

24253 German II – German II courses build upon skills developed in German I, preparing students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening, reading, and writing), and presenting (speaking, writing) information on concrete topics, German II courses introduce the relationships among the products, practices,, and perspectives of German-speaking cultures.

Grade Level: 10-12

Course Length: Year

24254 German III - German III Courses prepare students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening, reading, and writing), and presenting (speaking, writing,) information, concepts, and Ideas on a variety of topics, including connections to other subject areas These courses expand students' knowledge of relationships among the products, practices, and perspectives of German-speaking countries and cultures.

Grade Level: 11-12

Course Length: Year

24255 German IV – German IV courses prepare students to communicate authentically in German by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. German IV courses promote students' understanding of the relationships among the products, practices, and perspectives of German-speaking countries and cultures.

Grade Level: 12

Course Length: Year

FAMILY AND CONSUMER SCIENCES

16053 Food Preparation – Topics in this class include sanitation and safety, basic skills, equipment operation, nutrition, selection, preparation, and storage of foods. We will cover many food categories including herbs and spices, fruits, vegetables, salads, dairy, cheeses, starches, eggs, meats and soups. Students will work individually and in teams as they participate in hands on labs, readings and class activities.

Grade Level: 9-12

Course Length: Semester

Prerequisite: None

16056 Baking – Topics in this class include sanitation and safety, ingredient investigation yeast and quick breads, cookies, pastries and cakes. Students will explore time management, teamwork and cooperation and baking principles and techniques. This is done through readings, class activities and labs which require students to work individually and as a team.

Grade Level: 9-12

Course Length: Semester

Prerequisite: None

16054 Basic Food and Nutrition – The topics in this class include nutrition, time management, meal planning, shopping, food costs and budgeting, table setting and table etiquette. Students will participate in readings, class activities, projects and labs.

Grade Level: 9-12

Course Length: Semester

Prerequisite: None

16057 Regional and International Cuisine – This class focuses on foods, preparation techniques and presentation from the 5 US regions as well as international cuisines. This class includes research, readings, projects, food preparation and presentations. Students will work individually and in groups. Labs will focus on sanitation and safety, teamwork and cooperation, food preparation and presentation.

Grade Level: 10, 11, 12

Course Length: Semester

Prerequisite: Food Preparation and Baking

22204 Parenting – Parenting is a course designed to show the rewards and the challenges of being a parent. Subjects such as decision making, responsibilities, conception, contraception, pre-natal care, pregnancy, parenthood and child development will be explored. This will be accomplished through readings, class activities, videos, interviews and wearing an Empathy Belly. Students will spend 1 day as a parent to: Baby Think It Over” in order to experience the responsibilities and realities of being a parent.

Grade Level: 10, 11, 12

Course Length: Semester

Prerequisite: None

22211 Interior Design – This course includes housing choices, housing styles, floor plans, scaled drawings careers related to housing, and furniture placement. Principles and elements of design will be incorporated with many individual student driven projects that demonstrate design knowledge and skills.

Grade Level: 9-12

Course Length: Semester

Prerequisite: None

INDUSTRIAL TECHNOLOGY

13054 Woodworking - Machine woodworking courses introduce students to the various kinds of woods used in industry, and offer experience in using selected woodworking tools. Student's design and construct one or more projects, and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized. As students advance within Woodworking classes, they focus on learning the nomenclature of power tools, developing skills to safely use these tools in the workshop, and becoming familiar with various kinds of wood-finishing materials. Advanced students typically design a project, prepare bill of material, construct and finish proposed projects.

Grade Level: 10 - 12

Course Length: Semester

Prerequisite: Metal & Wood Technology

21106 Mechanical CAD – Technical/Mechanical courses introduce students to and help them refine the technical craft of drawing illustrations to represent and/or analyze design specifications, using examples drawn from industrial applications. These courses are intended to help students develop general drafting skills but place a particular emphasis on sectioning, auxiliary views, revolutions, and surface development. In these courses, students typically learn basic machining and fabrication processes as they draw schematic diagrams featuring cams, gears, linkages, levers, pulleys, and so on.

Grade Level: 9-12

Course Length: Semester (1st)

Prerequisite: None

21107 Architectural CAD – This course is frequently offered as an intermediary step to more advanced drafting courses (or as a concurrent course). CAD design and Software courses introduce students to the computer-aided drafting systems available in the industry.

Grade Level: 9 - 12

Course Length: Semester (2nd)

Prerequisite: None

20110 Small Engine Mechanics - Small Engine Mechanics courses provide students with the opportunity to learn to service and recondition small engines. Typically, two and four cycle engines are emphasized, although content may also include others. Opportunities are provided to troubleshoot and repair speed controls, lubrication, ignition, fuel, power transfer, cooling, exhaust, and starting systems; use hand, power, and overhaul tools; read and interpret service manuals and parts catalogs. Applications may include lawn mowers, tractors, tillers, power tools, and so on.

Grade Level: 9 - 12

Course Length: Semester

Prerequisite: None

21147 Advanced CAD/Independent study – Drafting independent Study courses, often conducted with instructors as mentors, enable students to explore drafting-related topics of interest. Independent Study courses may serve as an opportunity for students to expand the expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills

Grade Level: 10-12

Course Length: Year

Prerequisite: Mechanical and Architectural CAD

17001 Construction Trades – Construction Career Exploration courses expose students to the opportunities available in construction-related trades, such as carpentry, masonry, air conditioning/refrigeration, plumbing and so on. Students learn about the processes involved in construction projects and may engage in a variety of small projects. These courses emphasize responsibilities, qualifications, work environment, rewards and career paths within construction related fields.

Grade Level: 10-12

Course Length: Semester

Prerequisite: Metal/Woods & Woodworking

13053 Metal and Wood Technology - In this course students study the properties of metals, woods, and composites, and using these materials to construct usable products. Metal and Wood Technology courses enable the student to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines.

Grade Level: 9 - 12

Course Length: Semester

Prerequisite: None

13208 Particular Topics in Welding - This course is designed for the person that has had some experience with welding and metal working hand tools. The arc welder, acetylene welder, and wire welder are studied in the welding area. In the machine shop area, students will study the metal lathe and milling machine. Micrometers and other measuring equipment are also covered. A welding project of the student's choice is required.

Grade Level: 10 – 12

Course Length: Semester

Prerequisite: Metal and Wood Technology

LANGUAGE ARTS

01001 English/Language Arts I - English/Language Arts 1 (9th grade) course builds upon the students' prior knowledge of grammar, vocabulary, word usage, and mechanics of writing, and includes the four aspects of language usage: reading, writing, speaking, and listening. The various genres of literature are introduced and defined, with writing exercises often linked to reading selections. Utilization of the writing process to improve students' use of the English language and writing skills is included. Students complete a research project.

Grade Level: 9

Course Length: Year

Prerequisite: None

01002 English/Language Arts II - English/Language Arts II (10th grade) course offers a balanced focus on composition and literature. Students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph thematic essays and compositions. The study of literature encompasses various genres as students improve their reading rate and comprehension. They also develop the skills to determine authors' intent and theme and to recognize the techniques employed by the author to achieve the goal. This course also includes utilization of the writing process in completing research projects and a job skills communication project.

Grade Level: 10

Course Length: Year

Prerequisite: English Language Arts I

01003 English Language Arts III - The first semester of English III will be dedicated to the study of American Literature. The focus is upon commonly known American authors and their works. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the selected works and as they understand how the literature reflects the society of the time. Oral discussion is an integral part of this semester, and written work will demonstrate knowledge and understanding of the literature. The second semester includes a continuation of the study of literature but from British and European sources. Second semester also includes several compositions including a major research paper.

Grade Level: 11

Course Length: Year

Prerequisite: English Language Arts 1, English Language Arts II

01102 English/Composition {upper level} - English/Composition (upper level) is designed for junior and/or seniors and builds upon previous writing skills. Reinforcing the logic and critical thinking skills that accompany good writing, this course provides continued and advanced instruction in writing for a variety of purposes and audiences.

Grade Level: 11 - 12

Course Length: Semester

Prerequisite: English Language Arts III

01004 English/Language Arts IV - English/Language Arts IV (12th grade) blends composition and literature into a cohesive whole, as students write critical and comparative analyses of selected literature. Essays, research papers, and British Literature are the major components of this course.

Grade Level: 12

Course Length: Year

Prerequisite: First Semester of English Language Arts III

01051 Advanced Reading – This Course is intended to improve a student’s vocabulary, critical thinking, and analysis skills, or reading rate and comprehension level. Although works of fiction are typically emphasized, non-fiction may also be included. This course will have a time-management focus, offering strategies for note-taking or for understanding and evaluating important points of a test. This is an advanced course for 10th and 11th grade students.

Grade Level: 10 – 11

Course Length: Semester

01151 Public Speaking - Public Speaking enables students, through practice, to develop communication skills for a variety of speaking situations. Course topics include the communication process, research and organization, writing for verbal delivery, stylistic choices, visual presentation skills analysis and critique, and development of poise.

Grade Level: 9-12

Course Length: Semester

05056 Drama/Stagecraft – Comprehensive - Drama/Stagecraft – Comprehensive is intended to promote students’ experience and skill development in theatrical production. Introductory in nature, this course includes topics such as theater history, appreciation, stagecraft, and acting.

Grade Level: 9 - 12

Course Length: Semester

Prerequisite: None

Credit: May be used as a Fine Arts credit

MATHEMATICS

02053 Algebra 1A – This year long course will cover the first half of the Algebra 1 curriculum. Topics covered will be linear relationships, reasoning with equations, and expressions and equations. Students enrolled in this course will enroll in Algebra 1B the following year.

Course Length: Year

02054 Algebra 1B – This year long course will cover the second half of the Algebra 1 curriculum. Topics covered will include quadratic functions and modeling, exponential relations, descriptive statistics, and an introduction to advanced algebra concepts. Students who complete Algebra 1A and Algebra 1B should enroll in either Geometry or Applied Geometry the following year.

Prerequisite: Algebra 1A

Course Length - Year

02052 Algebra 1 – This year long course is designed to emphasize the study of multiple representations of linear and non-linear functions. It includes studies on linear and exponential relationships, reasoning with equations, descriptive statistics, expressions and equations, and quadratic functions and modeling. Students who complete Algebra 1 should enroll in Geometry the following year.

Course Length - Year

02072 Geometry – This year long course is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions. It includes the study of congruence, similarity, trigonometry, coordinate geometry, circles, and applications of probability. It also emphasizes writing proofs to solve (prove) properties of geometric figures. This class is recommended for students that plan to attend a four year college. Students who complete Geometry should enroll in Algebra II the following year.

Prerequisite: Algebra 1

Course Length: Year

02071 Applied Geometry-Informal Geometry courses emphasize a practical approach to the study of geometry and deemphasize an abstract, formal approach. Topics typically include properties of and work with plane and solid figures; inductive methods of reasoning and use of logic; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

Prerequisite: Algebra 1

Course Length: Year

02056 Algebra II – This year long course is designed to build on algebraic and geometric concepts. It develops advanced algebra skills such as polynomial, rational, and radical relationships, trigonometric functions, modeling with functions, and drawing inferences and conclusions from data. This class is recommended for students that plan on attending a four year college. The content of this course is important for students' success on both the ACT and college mathematics entrance exams. Students who complete Algebra II should enroll in Pre-Calculus the following year.

Prerequisites: Algebra 1 and Geometry

Course Length: Year

02110 Pre-Calculus – This year long course is designed to be a cap-stone math course for college bound seniors or to prepare juniors for AP Calculus. It includes the study of vectors, complex numbers, matrices, advanced trigonometric functions, statistics, and conic sections. This class is highly recommended for any student planning to take a college algebra or calculus course.

Prerequisite: Algebra II

Course Length: Year

02201 Statistics – Statistics courses introduce the study of likely events and the analysis, interpretation, and presentation of quantitative data. Course topics generally include basic probability and statistics: discrete probability theory, odds and probabilities, probability trees, populations and samples, frequency tables, measures of central tendency, and presentation of data (including graphs). Course topics may also include normal distribution and measures of variability.

Grade Level: 11, 12

Course Length: Semester

Prerequisites: In or completed Algebra 2

02155 Business Math with Algebra – Business Mathematics with Algebra courses teach and have students apply algebra concepts to a variety of business and financial situations. Applications usually include income, insurance, credit banking, taxation, stocks and bonds, and finance.

Grade Level: 11, 12

Course Length: Semester

Prerequisites: In or completed Algebra 2

02124 AP Calculus – Following the College Board's suggested curriculum designed to parallel college-level Calculus courses, AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus (including definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate-of-exchange problems); and integral calculus (including antiderivatives and the definite integral).

AP Calculus will be offered for students who wish to earn college credit for taking calculus at the high school level. Different colleges and universities require different scores on the AP Test, so be sure to check with individual schools to see what an acceptable score is. Students enrolled in calculus will have the option to take

the AP Test in May. Sign up for the test is in March and it will cost around \$86 to take the test. The test will be given in May. For more information regarding the AP tests, dates, and process, please visit:

www.collegeboard.com/student/testing/ap/about.html

Grade Level: 11 – 12

Course Length: Year

Prerequisite: Pre-Calculus

REQUIREMENT: Graphing Calculator TI-84+ or TI-nspire CX (Not a TI-nspire CX with CAS)

Direct calculator questions to the instructor

MUSIC

05101 Concert/ Marching Band - Courses in Concert/Marching Band are designed to develop skill and technique for playing brass, woodwind and percussion instruments. Students will learn and develop skills in musical literacy, as well as basic music history of composers and time periods. All band performances are mandatory. Performances include: marching band competitions, half-time performances, pep band performances, large and small group contest, and any other scheduled public performance or competition. All students registered for band 05101 will be required to attend a two-week marching band camp held at the beginning of each school year. All registered students are required to attend one 20-minute lesson each week.

Grade Level: 9 – 12

Course Length: Year

Prerequisite: none

05110 Chorus (Concert Choir) - Chorus courses provide the opportunity to sing a variety of choral literature styles for men's and/or women's voices and are designed to develop vocal techniques and the ability to sing parts. Students will learn the importance of discipline, structure, and commitment while developing skills and techniques for singing. Music literacy is part of the course with basic music history. Each quarter includes a performance which is required for your grade. Also, there will be a five day summer camp required for all concert choir participants. Six lessons are required per quarter.

Grade Level: 9- 12

Course Length: Year

Prerequisite: None

05121 Show Choir – “Unlimited” is an auditioned show choir made up of students from Concert Choir. Unlimited will meet on Tuesdays, Thursdays, and every other Friday. Show Choir is a performance-based class where students learn how to add choreography to songs, as well as text interpretation, facial and body expression, and other performing skills. Show Choir will meet on some Saturdays during the fall for choreography and on many Saturdays during the spring for completion. Unlimited will also perform at various community events throughout the year.

Grade Level: 9-12

Prerequisite: Audition

05116 Music History/Appreciation: Musical Theatre – Music History/Appreciation Courses survey different musical styles and periods with the intent of increasing students' enjoyment of musical styles and/or developing their artistic or technical judgment. Music History/Appreciation courses may also focus on developing an understanding of particular style or period.

Specifically, Musical Theatre will look at the history and development of the musical and its connections to both the drama and music worlds. Students will explore the development of musicals in terms of music, acting styles, staging, lighting, costumes, and social themes. This course will begin in the late 19th century and focus primarily on the development of musicals in the 20th century, ending with a glimpse of current 21st century trends.

Grade Level: 9-12

Course Length: 2nd Semester

Prerequisite: None

05113 Music Theory – Music theory courses provide students with an understanding of the fundamentals of music and include one or more of the following topics: composition, arrangement, analysis, aural development, and sight reading. This course will not cover basic theory. This course will immediately begin sight-reading and scales and move into the structure of chords. By the end of this course, a student should be able to make a short composition using the skills learned in this course. It is a requirement to be enrolled in either band or choir and to have approval from an instructor to take this class.

Grade Level: 9-12

Course Length: 1st Semester

Prerequisite: Enrolled in Band or Choir

SCIENCE

03159 Physical Science - Physical Science course involves the study of the physical world, matter and its changes. Topics covered include: The universe, Earth, Motion, Forces, Energy, Elements, and how chemicals react. Physical Science is strongly recommended for students planning to take Chemistry and Physics.

Grade Level: 10

Course Length: Year

Prerequisite: None

03051 Biology – First Year - Biology – First Year courses are designed to provide information regarding the fundamental concepts of life and life processes. Topics covered include (but are not restricted to) cell structure and function, general plant and animal physiology, genetics, and taxonomy.

Grade Level: 9 – 10

Course Length: Year

Prerequisite: None

03053 Anatomy and Physiology - Anatomy and Physiology presents systems of the human body. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, etc.)

Grade Level: 11 – 12

Course Length: Year

Prerequisite: Biology

03101 Chemistry – Chemistry is the study of matter and the changes that matter undergoes. Topics covered will include: Atoms, Molecules, Balancing equations, Moles and Stoichiometry, Molarities, Electron configurations and gases. Chemistry is strongly recommended for students that are going to college.

Grade Level: 11 – 12

Course Length: Year

Prerequisite: Physical Science, Algebra 2 (may take concurrently)

03151 Physics - The study of the physical world, forces, and laws of nature. Topics covered will include: Motion, Forces, Energy, Light, and Sound & students choice of topics. Physics is strongly recommended for students going to college to study engineering.

Grade Level: 11 – 12 only

Course Length: Year

Prerequisite: Algebra 2 completed

03003 Environmental Science - Environmental science courses examine the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, the following subjects may be covered: recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.

Grade Level: 11 – 12

Course Length: Year

Prerequisite: Biology

SOCIAL STUDIES

04051 World History – Overview - World History – Overview courses provide an overview of the history of human society from the renaissance to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. World History – Overview courses may include geographical studies, but often these components are not explicitly taught as geography. This course is geared toward upper level students with a strong knowledge of European geography. There is a large amount of reading required for this class

Grade Level: 9 – 12

Course Length: Year

Prerequisite: None

04101 U.S. History – Comprehensive - U.S. History – Comprehensive courses provide an overview of the history of the United States, examining time periods from the United States beginning rise as a world power in the late 1800's/ early 1900's through present events. Political, military, scientific, and social developments are typically included in the historical overview.

Grade Level: 10 – 11

Course Length: Year

Prerequisite: None

04151 U.S. Government – Comprehensive - U.S. Government Comprehensive courses provide an overview of the structure and functions of the U.S. government and political institutions, and examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation on the democratic process. These courses may or may not examine the structure and function of state and local government. Course content may include some coverage of economic and legal topics.

Grade Level: 11 – 12

Course Length: Semester

Prerequisite: Completion of 1 year High School U.S. History Comprehensive

04201 Economics - Economics courses provide an overview of economics with primary emphasis on the principles of microeconomics and a focus on the U.S. economic system, these courses may or may not cover topics such as principles of macroeconomics, international economics, and comparative economics. Economic principles may be studied either in a formal or an applied manner, or both.

Grade Level: 11 – 12

Course Length: Semester

Prerequisite: None

04254 Psychology - Psychology courses introduce students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.

Grade Level: 11 – 12

Course Length: Semester

04258 Sociology - Sociology courses introduce students to the study of human behavior in society. These courses provide an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships of individuals and groups in society.

Grade Level: 11 – 12

Course Length: Semester

Prerequisite: None (10th graders by instructor approval)

04109 Particular Topics in U.S. History – This elective takes a look at the role baseball has played in American society over the course of history. The class includes looking at the economic, social and psychological impact a team or player has on a particular city or region. The class primarily is made up of projects and reading.

Grade Level: 11-12

Course Length: Semester, Two Optional

PROJECT LEAD THE WAY

21006 - Introduction to Engineering Design (IED)

Designed for 9th or 10th grade students, the major focus of IED is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.

Grade Level: 9-10

Course Length: Year

Prerequisite: None

21004 - Principles of Engineering (POE)

Designed for 10th or 11th grade students, this survey course exposes students to major concepts they'll encounter in a postsecondary engineering course of study. Topics include mechanisms, energy, statics, materials, and kinematics. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate solutions.

Grade Level: 10-11

Course Length: Year

Prerequisite: Intro to Engineering Design

21012 - Civil Engineering and Architecture (CEA)

Students learn about various aspects of civil engineering and architecture and apply their knowledge to the design and development of residential and commercial properties and structures. In addition, students use 3D design software to design and document solutions for major course projects. Students communicate and present solutions to their peers and members of a professional community of engineers and architects. This course is designed for 11th or 12th grade students.

Grade Level: 11-12

Course Length: Year

Prerequisite: Intro and Principles of Engineering

DRIVER'S EDUCATION

08152 Driver's Education – Classroom and Laboratory - Driver's Education – Classroom and Laboratory courses provide students with the knowledge and experience to become safe drivers on America's roadways.

Topics included in this course are:

1. Legal obligations and responsibility,
2. Rules of the road and traffic procedures,
3. Safe driving strategies and practices,
4. Physical and mental factors affecting the driver's capability (including alcohol and other drugs)
5. Railroad crossing safety and information on organ donor
6. Sharing the road with bicycles and motorcycles

Experience in driving a vehicle is an essential component of this course; students usually receive their driver's license as a result of this course.

There will be 30 hours of classroom instruction and six hours of driving time.

Prerequisite: Must be at least 14 years old and have possession of a learner's permit.

Number of sessions (winter, spring, and summer) will be determined by the number of students enrolled.

Winter and spring sessions will be limited to 15 students each on a first signed, first paid basis.

PHYSICAL EDUCATION

08001 Physical Education - Physical Education courses provide students with knowledge, experience and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, fitness/ conditioning activities and weightlifting.

Grade Level: 9-12

Course Length: Year

HEALTH

08051 Health Education - Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. Brief studies of environmental health, personal development, and/or community resources may also be included.

Grade Level: 9 – 12

Course Length: Year

ADVANCED PLACEMENT (AP COURSES)

Iowa Online Advanced Placement Academy - The Iowa Online Advanced Placement Academy (IOAPA) has been established to deliver Advanced Placement (AP) courses to high school students across the State of Iowa utilizing Apex Learning on-line technology and the Iowa Communications Network (ICN). AP gives students an opportunity to take college-level courses and exams while still in high school.

Additional information available online – www.iowaapacademy.org

College credit granted for passing score on AP Exam – administered in May. Cost of testing not available at time of printing.

AP Chemistry

AP English Language and Composition

AP English Literature and Composition

AP Physics B

AP Statistics

AP U.S. History

Why take AP? www.education.uiowa.edu/belinblank/programs/ioapa/whyap.html

Check the website for enrollment deadlines and dates classes will begin.

It is recommended that students schedule one or two periods during the school day to connect to the course and to complete all of the requirements for these classes. A local school mentor will work closely with students taking an Iowa AP online course.

Requirements: as required by Apex & The College Board, student success traits, teacher or TAG advisor recommendation.

ONLINE AP COURSES

02203 AP Statistics – Following the College Board’s suggested curriculum designed to parallel college-level statistics courses, AP Statistics courses introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference.

Prerequisite: Algebra II or Math Analysis

03106 AP Chemistry – Following the curricula recommended by the College Board, AP Chemistry courses usually follow high school chemistry and second-year algebra. Topics covered may include atomic theory and structure; chemical bonding; nuclear chemistry; states of matter; and reactions (stoichiometry, equilibrium, kinetics, and thermodynamics). AP Chemistry laboratories are equivalent to those of typical college courses.

Prerequisite: Chemistry and Algebra II

03155 AP Physics B – AP physics courses are designed by the College Board to parallel college-level physics courses that provide a systematic introduction to the main principles of physics and emphasize problem-solving without calculus. Course content includes mechanics, electricity and magnetism, modern physics, waves and optics, and kinetic theory and thermodynamics.

Prerequisite: Algebra II, Pre-Calculus with Trigonometry

04104 AP U.S. History – Following the College Board’s suggested curriculum designed to parallel college-level U.S. History courses, 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.

Prerequisite: At least a B grade in most recent social studies course.

01005 AP English Language and Composition – Following the College Board’s suggested curriculum designed to parallel college-level English courses, AP English Language and Composition courses expose students to prose written in a variety of periods, disciplines, and rhetorical contexts. These courses emphasize the interaction of authorial purpose, intended audience, and the subject at hand, and through them, students learn to develop stylistic flexibility as they write compositions covering a variety of subjects that are intended for various purposes.

Prerequisite: At least a B grade in most recent English course

01006 AP English Literature and Composition – Following the College Board’s curriculum designed to parallel college-level English courses, AP English Literature and Composition Courses enable students to develop critical standards for evaluating literature. Students study the language, character, action, and theme in works of recognized literary merit; enrich their understanding of connotation, metaphor, irony, syntax, and tone; and write compositions of their own (including literary analysis, exposition, argument, narrative, and creative writing).

Prerequisite: At least a B grade in most recent English Course

GIFTED AND TALENTED

TAG Seminar - 1-2 periods per week – as will fit into student and advisor’s schedule.

Designed on individual basis for appropriate course of study. May include: Independent Projects; Independent study; Creative activities; Enhancement, enrichment, modification, extension of regular classes; Preparation for college testing, competitions or special programs; Study and preparation for AP classes.

Grade Level: 9 – 12

Prerequisite: TAG designation, teacher nomination or instructor permission. (A non-credited course)

AIDES

Teacher Aide - Teacher Aide courses provide Juniors and Seniors with the opportunity to assist teachers with classroom duties at each of our buildings instead of a study hall. They will receive a grade but no credit.

Students must provide their own transportation.

Prerequisite: Teacher approval (a noncredit course). **1st and 8th periods at the High School only, 2nd -7th periods any building district-wide.**

Grade Level: 11 – 12

For more information, contact Mr. Kirk Hughes, UHS Guidance at

566-2703 or email: khughes@underwoodschoools.org



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