

2018-2019
CURRICULUM GUIDE

ARGENTA-OREANA HIGH SCHOOL

500 N Main St
Argenta, IL 62501

(217) 795-4821 or 4822
FAX: (217) 795-4550

CEEB CODE: 140-085

AGRICULTURE

INTRODUCTION TO THE AGRICULTURAL INDUSTRY – 2 semesters; 1 credit per year (Fr, So, Jr, Sr)

State Code: 18001A001 CTE

This course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, natural resources, agribusiness management, and agricultural mechanics, will be presented. *Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

***FFA is not offered this school year until there is program establishment and state approval**

ART

ART I – 2 semesters; 1 credit per year (Fr., So., Jr., Sr.)

State Code: 05154A000 Creative Art - Comprehensive

Introduction to Art is open to all high school students. It is a general art/studio orientation course. The elements and principles of art/design and artistic awareness are stressed. There will be a sampling/use of art medium and techniques. Drawing instructions include still life, portrait, perspective, and non-objective. Students are encouraged to express, invent, and transfer learning from one medium to another. The specific program content includes basic drawing, perspective drawing, drawing in ink, drawing/design, an extensive color study, art vocabulary, and a survey of art history is introduced. Basic 3-D materials include clay. Weekly sketchbook assignments are required. Note: Students MUST take Art I first semester in order to take Art I second semester.

ART II – 2 semesters; 1 credit per year (So., Jr., Sr.)

Prerequisite: Art I with a grade of “C” or better

State Code: 05155A000 Creative Art - Drawing/Painting

This course exposes students to a wide variety of techniques and mediums. Experiences include, but are not limited to, drawing, ink, acrylic, and mixed media techniques. Students are expected to apply knowledge from Art I course to improve their skills in Art II. 3-D projects may include plaster, paper construction, clay, and other media as time allows. Weekly sketchbook assignments are required.

ART III – 2 semesters; 1 credit per year (Jr., Sr.)

Prerequisite: Art II with a B or better

State Code: 05156A000 Creative Art – Drawing

This course offers the advanced development of skills and techniques in a variety of two and three-dimensional areas. These areas include: advanced drawing and a variety of multi-media techniques, both 2 and 3 dimensional. **A strong interest in Art is highly recommended.** Sketchbook assignments are required.

ART IV 2 semesters; 1 credit per year (Sr.)

Pre-requisites: Art I, II and III, completion of contract, and consent of instructor.

This is an advanced academic/studio course. Students that intend to further their art training in an advanced institution will find Art IV very helpful, as it encourages independent study in Art and increases skills and techniques. Students will be required to create a contract for each semester stating their objectives, projects, and media they will be utilizing. Students should be creating portfolio quality projects. **A strong interest in Art is highly recommended.** Sketchbook assignments are required.

BUSINESS

ACCOUNTING I – 2 semesters; 1 credit (So. Jr., Sr.)

State Course code: 12104A001 Accounting I CTE Course

The principles of double entry bookkeeping, as used by businesses, are studied and applied by working problems involving these principles. Students will work with various specific journals, a general journal, and three ledgers. Emphasis is also placed on the preparation of business reports that represent the condition of the business. Through the use of practice sets and computer applications, the student experiences the principles and practices of accounting.

WORD PROCESSING I – 1 semester; ½ credit (Fr., So., Jr., Sr.)

State course code: 12005A001 Keyboarding and Formatting CTE Course

The first part of the class will begin by reviewing proper keyboard technique, speed, and accuracy. The emphasis is on increasing typing speed and accuracy. The second part of the course deals with basic letter formatting, memorandums, business and academic report formatting using Microsoft Word.

INFORMATION PROCESSING – 1 semester; ½ credit (Fr., So., Jr., Sr.)

State course code: 10005A001 Information Processing I CTE Course

Prerequisite: Word Processing I

This course will combine aspects of word processing, database, spreadsheet, and presentation graphics. Students will gain knowledge in all aspects of software applications and how to combine these to accomplish basic tasks performed by employees in the business occupational area.

DESKTOP PUBLISHING – 1 semester; ½ credit (Fr., So., Jr., Sr.)

State course code: 10004A001 Computer Concepts and Software Applications CTE Course

Prerequisite: Word Processing I or permission of the teacher.

This course is designed to teach students the basics of desktop publishing, graphics, and typography to create visually appealing copy. Students will use publishing software and will create newsletters, flyers, business cards, placemats, and much more. The students will also assume the role of a desktop publisher for a company at the end of the semester.

MARKETING – 1 semester; ½ credit (So., Jr., Sr.)

State course code: 12164A001 Product-Oriented Marketing CTE Course

This course focuses on how products/services are produced and the processes involved in getting the product/service to the consumer. Topics include wholesale and retail marketing, advertising,

selecting target markets, packaging and merchandising. Students will be required to participate in one marketing project to be completed during the semester.

PRACTICAL LAW – 1 semester; ½ credit (So., Jr., Sr.)

State course code: 12054A001 Business Law CTE Course

This course introduces students to the history, the basis, the need for, and the operation of law. Its purpose is to enable the student to understand legal and moral rights and responsibilities in today's society. Areas covered include: when, where and why to get a lawyer; criminal law; tort law; contracts; information laws; guarantees, and others. The students will also participate in a mock trial if possible.

FINANCIAL PLANNING – 1 semester; ½ credit (So., Jr., Sr.)

State course code: 12007A001 Recordkeeping CTE Course

Topics in finance will be discussed as they relate to real world simulations. Students will have an opportunity to learn about the present and future value of money, return on investment, on-line trading, stocks and bonds, mutual funds, and investment strategies. Students will also participate in the Stock Market Game in which they will virtually invest \$100,000.

ENGLISH

Students at Argenta-Oreana High School are required to take four years of English for graduation. The English I, II, Writing I and II, American Literature, British Literature and Special Theme Literature classes are designed to prepare students for post-secondary education or direct entry into the workplace. Instruction is based on the premise that students develop skills in English through application across curricular areas. Exposure to significant literature is instrumental in helping each student develop as a lifelong learner. These skills are developed as interrelated components, rather than as isolated areas of learning.

The curriculum will develop student performance in the following areas:

- *critical and analytical listening and thinking
- *reading, comprehension, interpretation, evaluation, and use of written materials
- *correct and effective use of written language
- *examination of the function and evolution of language literature, including drama, of different cultures, eras, and ideas.

English I: State course code: 01001A000 English/Language Arts I (9th grade); Rigor level 2

In this year-long, required language arts course, students will study the basic elements of literature, such as plot, conflict, theme, setting, figurative language and point of view, as applied to a mix of prose (short stories, essays), drama, and poetry from around the world. The forms of each of these will be studied as they are read. Language and grammar skills will be taught and reinforced, and students will be expected to choose novels to read independently. Public speaking will also be addressed. Students will be expected to express their thoughts and relate ideas through a variety of writing styles like journals, essays, and creative projects.

English II: State course code: 01002A000 English/Language Arts II (10th grade); Rigor level 2

Students will be writing persuasive and cause-effect essays and gaining revision skills, along with creative writing assignments. Language skills will be taught and reinforced. Students will learn about figurative language, irony, satire, allusion, and inference, among other literary concepts through literature including prose, drama, and poetry.

Writing I: State course code: 01102A000 English/Composition (juniors and seniors)

Writing I students are immersed in a writing intensive course designed to continue discussion about the necessary components of academic writing, such as word choice, usage, and writing mechanics. Students learn the technique needed to create scholarly writing used to communicate their ideas. Throughout the semester, students encounter analysis essays, persuasive letters, and expository essays for a variety of purposes and audiences. Students also encounter writing prompts as a way to reinforce critical-thinking skills and logic needed while writing.

American Literature: State course code: 01054A000 American Literature

American Literature students are exposed to a number of canonized and non-canonized American authors that allow students to see a variety of writing styles, thematic content, and eras of literature. Oral discussion is an integral part of this course while written compositions, projects, and prompts are utilized to generate and apply higher levels of critical-thinking.

Writing II: State course code: 01105A000 Research/Technical Writing

Students will build on research skills to prepare a correctly formatted research paper. This class emphasizes researching (primary and secondary sources), organizing (material, thoughts, and arguments), and writing in a persuasive or technical style. Language skills will be taught and reinforced.

British Literature: State course code: 01056A000 British Literature

Students will build on research skills to prepare a correctly formatted research paper. Language skills will be taught and reinforced. English IV consists of a chronological exploration of British literature. Through their reading of prose, drama, and poetry, students will learn such concepts as epiphany, archetypes, stream of consciousness, the muses, and anti-heroes.

Special Topics Literature Course

State course code: 01065A000 Literature of a Theme

The theme of the semester literature course may vary from year to year. This course will meet the requirement for English Literature for either junior or senior year.

ENGLISH SKILLS CURRICULUM – I, II, III, IV

State course codes: 01001A000, 01002A000, 01003A000, 01004A000; Rigor level 1

This curriculum is designed as a remediation course for students whose reading and/or writing ability level is significantly below grade level. Placement in Skills courses is based on teacher recommendation, past performance, and test scores. These courses focus on basic language skills and reading comprehension. Differentiated instruction will be stressed to address individual needs.

HONORS ENGLISH I, II

State course codes: 01001A000, 01002A000; Rigor level 3

An accelerated and intensive English program designed to challenge students who have demonstrated an aptitude for the language arts and are motivated to learn. Approval for this course will be based on teacher recommendations, standardized test scores, writing samples, and previous grades in English. These courses are meant to prepare students for the dual credit college level English courses. However, enrollment in Enrichment courses does not automatically qualify a student to continue into dual credit courses; all dual credit students are required to pass a reading and English placement test through Richland Community College OR

show eligibility for English 101 level courses by earning a 19 in the Reading and English portions of the ACT test.

SPEECH I – 1 semester, ½ credit (So., Jr., Sr.)

State course code: 01155A000 Communications

Although an English elective, this course does not fulfill the English requirement for graduation.

(Not offered every year)

As an introductory course, Speech I will emphasize developing the student's ability to express thoughts and feelings effectively and understandably. Typical activities include informational, persuasive, and personal experience speeches. A considerable amount of time will be spent on developing skills that will enhance the student's ability to gather and organize information.

COMPOSITION – 1 semester, ½ credit (Fr., So., Jr)

This course is an Argenta-Oreana HS graduation requirement.

State course code: 01103A000 Composition

The purpose of this required one semester course is to improve students' basic writing skill. Students will examine, and write in, several writing styles (descriptive, instructional, expository, persuasive, narrative), as well as learning about the writing process (pre-writing, drafting, organizing, revising, publishing). A variety of assignments and teaching strategies will be used to help students learn the steps and tools to craft their writing. Students will maintain a portfolio of all written work and will explore the writings of other students to help them improve.

DRAMATIC PERFORMANCE – 1 semester, ½ credit (So., Jr., Sr.)

This course will not be offered in the 2018-2019 school year, but may be offered in the future.

State course code: 05054A000 Exploration in Drama

The Dramatic Performance class will improve students' oral communication skills through activities that call on creative expression. Students will analyze written materials for the purpose of clear and artistic communication, perform oral interpretations of prose and poetry, and engage in acting exercises. The cumulative project will be the performance of a one-act play.

FILM STUDIES – 1 semester; ½ credit (So., Jr., Sr.)

This course is not offered every year; it is offered as interest and scheduling permits.

State code: 05168A000 Film/Videotape

This course will cover the history of motion pictures, film production techniques, and basic critical theory of film. Assignments and activities may include critical analysis essays focusing on different elements of a film, routine viewing of films in class, with written responses and other forms of assessment, an essay on an individual filmmaker and corresponding research, testing over material from lectures, and creative projects, such as pre-production film-making and possible some actual filming. This course is an elective English credit and does not count toward the four-year English requirement.

STUDENT PUBLICATIONS – 2 semesters; 1 credit per year (Jr., Sr.)

Prerequisite: At least one semester of a computer class is **STRONGLY** recommended; preferably Word Processing and/or Desktop Publishing; must earn C's or better in English coursework.

State course code: 11104A000 Publication Production

Student Publications class provides students with the knowledge and skills necessary to produce the school newspaper and yearbook. Students will gain experience in several journalism components (terminology, writing, editing, photojournalism, layout, and production) as well as business, organizational, and leadership skills. Some assignments will require students to attend

extracurricular activities or do work off campus. The student must earn a grade of C or better first semester to continue into second semester. The class is an elective and may be taken two years for credit. (second year placement is dependent upon success in the first year.) It does not count as a required English credit, nor replacement for an English credit.

ENGL 101 - Composition 1 (IAI: C1 900) 3-0-3 (RICHLAND COMMUNITY COLLEGE)

State course code: 01102A000 English/Composition (juniors and seniors); Rigor level 4

English 101 is a basic course in college writing. Students write and revise essays using a variety of rhetorical methods. Through extensive writing and careful reading, students cultivate their ability to think critically and improve their ability to compose acceptable and effective academic papers. Special attention will be paid to persuasive writing.

(Prerequisite: one of the following: 1) “C” or better in English 090 and/or 097; 2) score of 40th percentile (19) or above on ACT (English and Reading) 3) satisfactory scores on Richland’s English and Reading Comprehension placement tests. English 101 meets one semester of the English course requirement for graduation.

ENGL 102 - Composition 2 (IAI: C1 901R) 3-0-3 (RICHLAND COMMUNITY COLLEGE)

State course code: 01102A000 English/Composition (juniors and seniors); Rigor level 4

English 102 is the conclusion of the first-year, college-level writing program. The course continues the study and practice of composition begun in English 101 with a major focus on source-based arguments. Students learn to recognize various levels of formality and to develop a style of writing appropriate for a formal research paper. All elements of research are taught: choosing a topic, focusing on a thesis, locating and evaluating varied sources, organizing materials, writing and documenting the text, and revising. (Prerequisite: ENGL 101 with “C” or better). English 102 meets one semester of the English course requirement for graduation.

FAMILY AND CONSUMER SCIENCES

CAREER EXPLORATION – 1 semester; 1/4 credit (Freshman or Sophomore)

Students will take Driver’s Education for one quarter and Career Exploration for one quarter.

State course code: 22151A000 Career Exploration

This required class is designed to help students explore careers and make a career plan for their future. Students will have an opportunity to research careers of their choice, along with the needed preparation and skills used in today’s job market.

ORIENTATION TO FAMILY AND CONSUMER SCIENCES- 1 sem.; ½ credit (Fr, So)

State course code: 22201A001 Introduction to Family and Consumer Sciences Careers CTE Course

This course is an introduction to many areas of family and consumer sciences. It includes the areas of foods and nutrition, parenting, and child development. Students will participate in laboratory experiences.

FOODS AND NUTRITION I – 1 semester; ½ credit (Jr. Sr.)

State course code: 16054A001 Nutrition and Culinary Arts I CTE Course

In this semester class students will work in small groups to plan, prepare, and evaluate food products in a tasty, attractive, efficient and healthy manner. Personal work skill and management techniques will be applied in lab and classroom activities. Some of the topics will include sanitation, safety, equipment, basic nutrition product comparisons, shopping and meal planning.

Principles of cookery for bread, cheese and sugar products are included. Career information will be shared with students.

LIVING ENVIRONMENTS – 1 semester; (So., Jr., Sr.)

State course code: 22211A001 Interior Design: Residential, Commercial, and Public Space CTE Course

Living Environments class will explore the world of planning, building, decorating, and landscaping a home. Information is provided to help students make wise decisions about planning a home and selecting materials, and furniture choices. The quarter is spent designing and decorating a home of the student's choice. Field trips to new home constructions, apartments, and older Decatur homes are planned.

CONSUMER ECONOMICS – 1 semester; ½ credit (Jr., Sr.)

State course code: 22210A000 Consumer Economics/Personal Finance

This course will provide the student an opportunity to look at problems the consumer is facing every day. Other topics include: Rights and responsibilities of the consumer, frauds and swindles in the marketplace, credit, insurance, taxes, financial planning and a checkbook packet. This course meets the State of Illinois Consumer Education graduation requirement.

CHILD DEVELOPMENT/PARENTING – 1 semester; ½ credit (So., Jr., Sr.)

State course code: 22204A000 Child Development/Parenting

Child Development/Parenting class provides students with knowledge about the physical, mental, emotional, and social growth and development of children from conception to pre-school age. In addition, this course helps students discover how parents should respond to the various stages of childhood. Course content includes topics such as prenatal and birth processes; responsibilities and difficulties of parenthood; fundamentals of children's emotional and physical development; and the appropriate care of infants, toddlers, and young children.

FOREIGN LANGUAGE

SPANISH I – 2 semesters; 1 credit per year (Fr., So, Jr., Sr.)

State course code: 06101A000 Spanish I

Spanish I is open to any high school student with a "C" average or above in English. The study includes vocabulary building and basic grammar study (includes three groups of regular verbs and some common irregular verbs). Listening, speaking, reading, and writing teach the language. Oral participation is greatly emphasized. A broad cultural awareness is developed. Daily work, participation, and tests consisting of written, listening comprehension, and verbal sections are used to figure quarter grades.

SPANISH II – 2 semesters; 1 credit per year. Pre-requisites "C" in Span. I (So., Jr., Sr.)

State course code: 06102A000 Spanish II

Spanish II starts with a basic review of Spanish I material. Complex grammar is covered with the introduction to the preterite, imperfect, and subjunctive tenses. Reading comprehension and writing skills are developed. Daily work, participation, and tests consisting of written, listening comprehension, and verbal sections are used to figure quarter grades.

SPANISH III – 2 semesters; 1 credit per year (Jr., Sr.)

State course code: 06103A000 Spanish III

SPANISH IV -- 2 semesters; 1 credit per year (Sr.)

State course code: 06104A000 Spanish IV
Prerequisite: “C” average in Spanish II, Spanish III

In this combined class attention is given to more advanced grammar with the study of all verb tenses. Speaking and writing skills are developed through daily work and projects. Literature, art, and culture are emphasized. Grades are dependent upon student’s communication, written, and comprehension skills in a variety of test formats as well as daily participation. Literature, art, and culture are emphasized.

HEALTH, DRIVER’S ED. AND PHYSICAL EDUCATION

HEALTH – 1 semester; ½ credit per year (Freshman/Sophomore)

State graduation requirement
State course code: 08051A000 Health Education

The course in Health Education is developed around the three concepts of growth and development, interaction and decision-making. Topics include personal care, hygiene, nutrition, mental health, personality, drug abuse, first aid, and environmental health. The goals of the class are to provide each student with health knowledge so that he/she knows what health is, to encourage each student to want to be in the best of health, and to encourage each student to be a promoter of good health by being a good example for others and to possibly be a future employee in the many areas of health services.

DRIVER’S EDUCATION – 1 quarter; ¼ credit per year (Fr., So. depending on birth date)

State course code: 08152A000 Drivers’ Education—Classroom and Laboratory

Driver’s Education is a course designed to teach people how to drive successfully. The course has two phases: the classroom phase, which consists of nine weeks or 30 plus hours, and a six-hour behind the wheel phase. In the classroom phase, students will be required to successfully complete written examinations from subject content presented. Weekly reports will be assigned from outside reading sources. Audio visual aids will be used to supplement other materials. Approximately six weeks will be devoted to the Illinois Rules of the Road Booklet.

CO-ED PHYSICAL EDUCATION 2 semesters; 1 credit per year (Fr., So., Jr., Sr.)

State course code: 08001A000 Physical Education

The Co-ed physical education class is designed to develop students into well-rounded people both physically and mentally. Students will develop physically through different activities. These activities range from team and individual sports to life long activities. Students will also be charted as to their own physical growth. The content of the class is subject to change yearly.

WEIGHT LIFTING/CONDITIONING (So., Jr., Sr.)

State course code: 08009A000 Weight Training

The co-ed course is designed to cover three basic areas: muscular growth, cardiovascular conditioning and lifelong knowledge of the importance of total physical fitness. This class is geared to the student who wants to work physically and maintain a higher fitness level. Written work and record keeping will also be required. Students must have proven superior performance in physical education class in order to be eligible for Weight Conditioning.

MATHEMATICS

PRE-ALGEBRA – 2 semesters; 1 credit per year (Fr., So., Jr., Sr.)

State course code: 02051A000 Pre-Algebra; Rigor 2

Prerequisite: Successful completion of general math at the junior high level. This is the lowest level of math offered at the high school level.

This course will successfully prepare students for the Algebra I course. Topics covered include introduction of variables; use of integers; solving equations; graphs and data analysis; exploration of rational numbers; use of ratio, proportion, and percent; and basic geometry concepts.

ALGEBRA I – 2 semesters; 1 credit per year (Fr., So., Jr., Sr.)

Prerequisite: Successful completion of Pre-Algebra, either at the junior high or in high school.

State course code: 02052A000 Algebra I; Rigor 2

The first semester of this course provides the student with an introduction to the basics of algebra. Simplifying expressions and translating words into mathematical expressions will prepare the student for working with the set of real numbers and discovering their properties. Other first semester topics include simple and multi-step equations, ratios, proportions, percents, and solving and graphing inequalities. The second semester topics include linear functions and their graphs, systems of equations and inequalities, exponents, exponential functions, polynomials, factoring, simple quadratics, and simple radicals. Real-life applications are stressed throughout the course.

INFORMAL GEOMETRY – 2 semesters; 1 credit per year (Jr., Sr.)

Prerequisite: Pre-Algebra and Algebra I or recommendation of math department.

Not offered every year; will be considered based on need.

State course code: 02071A000 Informal Geometry

This basic geometry course is offered for those students who have met the prerequisites stated above. The basic concepts and inference patterns from logic are presented to the student to build an understanding of inductive and deductive reasoning which are the foundation of geometry's postulates and theorems. Throughout most of the course the students will focus on the two dimensional plane. They will discover how the postulates and theorems structure geometric discovery through the use of hands-on activities as well as textbook-driven activities. Students should discover, learn, and apply geometry by connecting real-life applications to abstract concepts. Three-dimensional geometry is studied in the second semester and utilizes the geometric concepts of the two-dimensional plane.

FORMAL GEOMETRY – 2 semesters; 1 credit per year (So., Jr. w/ permission of Algebra teacher)

Prerequisite: Successful completion of Algebra I.

State course code: 02072A000 Geometry, Rigor level 2.

Formal Geometry is a course offered for those students who have met the prerequisite stated above. The basic concepts and inference patterns from logic are presented to the student to build an understanding of inductive and deductive reasoning which are the foundation of geometry's postulates and theorems. Basic vocabulary, symbolic notation, and the undefined terms of point, line and plane form the basis of this course. Students will use deductive reasoning to investigate, discuss and prove the relationships that exist between segments, lines, and geometric figures, such as congruent triangles, quadrilaterals and similar polygons. Second semester topics include right triangles, circles, areas and volumes of plane figures, and coordinate geometry.

FRESHMAN (HONORS) GEOMETRY – 2 semesters; 1 credit per year (Freshmen only)

Prerequisite: 8th grade Algebra with a grade of C or better.
State course code: 02072A000 Geometry, Rigor level 3.

In this course the basic concepts and inference patterns from logic are presented to the student to build an understanding of inductive and deductive reasoning which are the foundation of geometry's postulates and theorems. Basic vocabulary, symbolic notation and the undefined terms of point, line and plane, form the basis of this course. In the first semester, students will use deductive reasoning to investigate, discuss and prove the relationships that exist between segments, lines, geometric figures, and congruent triangles. Second semester topics include quadrilaterals, similar polygons, right triangles, circles, areas and volumes of plane figures, and coordinate geometry. This course requires students to use higher order thinking skills in questioning, discussions, and daily work assignments. The pace is **more rigorous** than the traditional Formal Geometry course and is considered an accelerated/honors course.

ALGEBRA II – 2 semesters; 1 credit per year (So., Jr., Sr.)

Prerequisite: Algebra I and Formal Geometry with a C average or better
State course code: 02056A000 Algebra II

Algebra II expands on the concepts learned in primary algebra courses. New topics such as inequalities, linear algebra, polynomials, rational expressions, irrational and complex numbers, and quadratic equations and functions will be introduced. Students will be asked to use technology to gain understanding of the concepts.

HONORS ALGEBRA II - 2 semesters; 1 credit per year (So.)

Prerequisite: Grade of an A or B in Algebra I and Freshman or Formal Geometry and math teacher recommendation.
State course code: 02056A000 Algebra II, Rigor level 3.

The first semester of this course includes a brief review of Algebra I concepts, skills and applications. Other topics include linear functions, equations, inequalities and graphs, absolute value equations, inequalities and graphs, linear systems and matrices. The second semester topics include quadratic equations and functions, polynomials and polynomial functions, radical functions and radical exponents, exponential and logarithmic functions and rational functions. This course requires students to use higher order thinking skills in questioning, discussions, and daily work assignments. The pace is **more rigorous** than the traditional Algebra II course. Graphing calculators are used in conjunction with this course.

MATH 4 – 2 semesters; .5 credit per semester (Sr.)

Prerequisite: Senior status; Algebra II.
(Richland Community College Math 098)
State course code: 02057A000 Algebra III, Rigor level 3.

This course is taught in conjunction with Richland Community College. (Math 098)
Open to seniors only, it is designed for students who have successfully completed Algebra II and want to continue to study math, but want an alternative to Pre-Calculus/Trig.

It is designed for students who have successfully completed two years of high school algebra who need to review Intermediate Algebra concepts. The topics include real numbers, polynomials, rational expressions, equations, inequalities, problem solving, complex numbers, systems of equations, graphing, functions, relations, exponents, and logarithms. A graphing calculator is required.

Students who successfully complete Math 4 (Math 098) at Argenta-Oreana High School will be eligible to continue in the math sequence beyond Math 098 at Richland. For those who do not plan to attend Richland, the class will help prepare the students to be successful in the first year of college general education math courses.

PRECALCULUS/TRIGONOMETRY– 2 semesters; 1 credit per year (Jr. Sr.)

Prerequisite: Algebra I, Geometry, and Algebra II (C average required)

State course codes: 02110A000 Pre-Calculus and 02103A000 Trigonometry

The purpose of this course is to gain a better understanding of previously studied topics and their applications. The pre-calculus portion of this course provides review and further development of all previous math courses, including linear, quadratic, higher-degree polynomial, exponential, and logarithmic functions. The trigonometric portion of this course involves the study of angles and triangles as they relate to the six trigonometric ratios and the unit circle. Analytic trigonometry and vectors are additional topics addressed in the second semester.

CALCULUS - 2 semesters; 1 credit per year (Sr.)

Prerequisite: Algebra I, Geometry, Algebra II, and Trigonometry/Pre-Calculus with a B average recommended.

State course code: 02121A000 Calculus

This course ties together concepts learned in previous math courses and introduces the new concepts of Calculus. The two major concepts of Calculus; the derivative and the integral are thoroughly discussed. Additional topics to be covered are limits, continuity, and the practical applications of calculus.

MUSIC

CHORUS - 2 semesters; 1 credit per year (Fr., So., Jr., Sr.)

Prerequisite: Serious intent towards performance and a positive attitude in rehearsals.

State course code: 05110A000 Chorus

This course is for the student who has a feeling of respect for music. The intent of the music selection for this group is that it is well rounded to the extent of bestowing a tasteful musical background upon each student. It includes music from the standard choral repertoire—such as madrigals, sacred and contemporary pieces, and popular songs. The Argenta-Oreana High School Chorus is primarily a performing group. There are approximately five required performances. Students will gain knowledge of musical terms and how to read rhythms and intervals to become a better sight-reader. The student's grade is made up of test grades over material presented, attendance at required performances, participation, attitude, cooperation and ability to follow accepted classroom procedure used to generate good singing.

BAND – 2 semesters; 1 credit per year (Fr., So., Jr., Sr.)

State course code: 05101A000 General Band

High School Band is made up of students (grades 9-12) with previous instrumental experience. The director determines eligibility for membership. Students will participate in marching band, pep band, and concert band performances. Attending all full band performances is a course requirement. A wide variety of challenging and engaging music will be studied and performed throughout the year. In addition, students will have individual opportunities to participate in optional events like Solo and Ensemble Contest, IMEA, and other Band Festivals. The ultimate goal of band is to instill a high level of musicianship in the students so they may appreciate the personal

gratification and aesthetic value of music and carry these experiences on to all areas of life.

SCIENCE

LIFE SCIENCE – 2 semesters; 1 credit per year (So., Jr., Sr.)

State course code: 03051A000 Biology, Rigor Level 01.

Prerequisite: Life Science is designed for students who have had below average grades in junior high school science courses and have taken General Science. This course is not recommended for college bound students or those who will enroll in advanced science courses. This course is offered on alternate years with General Science. It will be offered in the 2019-2020 school year.

This course covers major topics and concepts related to living things. Topics include the features of life and the cell, classification, the 5 living kingdoms, the relationship between living things, and some basic concepts of heredity and evolution.

GENERAL SCIENCE – 2 semesters; 1 credit per year (Fr., So.)

State course code: 03159A000 Physical Science, Rigor Level 01

Prerequisite: General Science is designed for students who have had below average grades in junior high school or who have taken Life Science. This course is not recommended for college bound students or those who will enroll in advanced science courses. This course is offered on alternative years with Life Science. It will be offered in the 2018-2019 school year.

This course will focus on “general” topics in physical science. Students will be introduced to concepts in physics, chemistry, and earth and space science. Specific topics include electricity, weather, the solar system and the universe, properties of atoms, motion, forces, and momentum. This class is designed for students who require a physical science class which is not heavily laden in mathematics.

PHYSICAL SCIENCE – 2 semesters; 1 credit per year (Fr., So.)

State course code: 03159A000 Physical Science

This course is a mixture of both general and physical science. The first semester will focus on general science topics and the second semester will focus on physical science. This class is an alternative for students who have not reached the math level required for Honors Physical Science. This class will be less math intensive than the Honors section.

HONORS PHYSICAL SCIENCE (*formerly titled INTEGRATED PHYSICS AND CHEMISTRY (IPC)*) – 2 semesters; 1 credit per year (Fr)

State course code: 03159A000 Physical Science, Rigor Level 4

Prerequisite: Must have completed Algebra I or be currently enrolled in Algebra I with an “A” average in Pre-Algebra. Students must have obtained a grade of A or B in their most recent science course.

This class is an introductory or prep class for students who are interested in one day taking Physics and Chemistry. The course is heavily math laden. The first semester will focus on Physics and the second semester focus will be on Chemistry. This course will lay a strong foundation for students who will be taking Physics and/or Chemistry later on in high school.

BIOLOGY- 2 semesters; 1 credit per year (*Fr., So., Jr., Sr.)

State course code: 03051A000 Biology

The purpose of the course is to introduce students to the major disciplines of biology and the concepts and theories that are part of those disciplines. Also, students will examine technologies and occupations related to biology. Some of the major areas that are covered are cells, reproduction, inheritance, evolution, classification, and ecology. A considerable amount of class time will be spent working on laboratory activities.

*Fr. who are serious science students will be considered for approval to take Biology while taking their Physical Science class for the purpose of taking Chemistry I the sophomore year and advanced science courses the junior and senior year. (as space permits)

ENVIRONMENTAL SCIENCE- 2 semesters; 1 credit per year (Jr. Sr.)

Prerequisite: One course in a physical science and one course in a biological science.

State course code: 03003A000 Environmental Science

Environmental Science uses facts learned in biology and physical science classes to answer questions about how things happen the way they do in the environment. Major topics include geological and biological changes of Earth, biodiversity, Earth's resources, pollution, climate, population growth, energy sources, and conservation efforts. The emphasis is on the interrelationship between all living things and abiotic factors, man's effect on the ecosystem, and solutions to environmental problems. There will also be an emphasis on informative and argumentative writing skills. At the end of the year there will be a cumulative project of designing an energy efficient house.

CHEMISTRY – 2 semesters; 1 credit per year (So. Jr., Sr.)

Prerequisite: One year of Biology I or Physical Science and Algebra I. It is also recommended that students will have completed or are concurrently enrolled in Algebra II.

State course code: 03101A000 Chemistry

This course is a standards-based study of fundamental chemical concepts, such as atomic theory and its relation to chemical behavior, chemical bonding, the mole and stoichiometry, molecular kinetics, energy relationships, solution dynamics, acids-bases, equilibrium, and nuclear interactions. Emphasis is placed on the utilization of mathematical, analytical, data acquisition, and communication skills as well as interdisciplinary approaches to discovery. Concepts and skills are reinforced by a strong emphasis on hands-on laboratory experiences with lab reports and the integration of other branches of science. Applications to society, individuals, and the utilization of technology are included.

ZOOLOGY –2 semesters; ½ credit per year

Prerequisite – C average in Biology or A/B in Life Science and teacher approval. (So, Jr., Sr.)

State course code: 03061A000 Zoology

This second year biology course is designed for students interested in exploring the diversity of organisms in the animal kingdom. The course follows the evolutionary order from sponges to chordates, with an emphasis on the comparative anatomy and physiology of various invertebrates and vertebrates. This course is designed to introduce students to the characteristics of animals as well as their biological classification and will emphasize the anatomy and physiology of animals as well as their role and impact on the environment. The students learn through a combination of classroom activities, including dissection (participation is mandatory; there will be about seven major dissections), hands-on experiments, taking care of live animals, projects, and integration of technology. There is a possible field trip to zoo or aquarium at the end of year. This course is

recommended for college bound students and those interested in animal care, health professions, or the desire to study animals.

BOTANY – 2 semesters; 1 credit per year

Prerequisite – C average in Biology or an A/B in Life Science and teacher approval. (So, Jr. Sr.)

This course is not offered every year; it will be considered based on interest.

State course code: 03058A000 Botany

This second year biology class explores in depth the anatomy, adaptations and life cycles of plants from mosses, ferns, gymnosperms, and angiosperms, with emphasis on the flowering plants. Students will learn to identify local trees and make a leaf collection. The class may include experiments on plant nutritional needs, grafting or trophisms. Recommended for college bound students and those interested in conservation, agriculture, or horticulture.

ANATOMY AND PHYSIOLOGY – 2 semesters; 1 credit per year. (Jr, Sr)

Prerequisite: Biology I

State course code: 03053A000 Anatomy and Physiology

This course is intended to be a college prep level course. It is especially useful for students who plan to further their studies in biology or any of the medical fields. The anatomy (structure) and physiology (function) of the human is examined in terms of the ten organ systems. A considerable amount of time is spent on lab work, which includes, among other activities, dissection.

PHYSICS – 2 semesters; 1 credit per year (Jr., Sr.)

Prerequisite: One year of Biology or Physical Science and Algebra II.

Concurrent enrollment or completion of Trig. is recommended.

State course code: 03151A000 Physics

This course deals with the study of matter and the various forms of energy. The study of motion and forces is also included. Laboratory experiments are performed in each of the preceding areas. This course meets college requirements for introductory physics.

ADVANCED CHEMISTRY – 2 semesters; 1 credit per year (Jr., Sr.)

Prerequisite: Successful completion of Chem. I and Algebra II.

State course code: 03102A000 Chemistry—Advanced Studies

This course is a college prep level course. It is designed for students who will take chemistry in college. (Most science-related college majors require chemistry). The topics and lab work covered in this course should give students a better foundation for college chemistry than Chemistry alone. Students who were interested in chemistry or plan to pursue a science related career should find this course to be beneficial. Lab work will be emphasized.

SOCIAL STUDIES

GEOGRAPHY – 2 semesters; 1 credit per year (Fr/Soph)

State course code: 04001A000 World Geography

This course includes in the first several weeks a review of basic map skills, the importance of world resources, and an overview of the earth and its people. The course primarily concentrates on increasing awareness of the world. Emphasis is placed on cultural background, physical topography, political systems, economic units, and current global affairs.

GOVERNMENT – 1 semester; ½ credit (So., Jr., Sr.)

(AOHS graduation requirement)

State course code: 04161A000 Civics

The course will examine our Government on the national, state and local levels, concentrating on the rights and responsibilities of citizens. A detailed study on the background, writing, and contents of the U.S. Constitution and the Illinois Constitution will be included. Students will take the U.S. Constitution and Illinois Constitution tests that are Illinois requirements for graduation.

AMERICAN HISTORY – 2 semesters; 1 credit per year (Jr., Sr.)

State course code: 04101A000 U.S. History—Comprehensive

This course covers the Revolutionary War through the Nixon Administration. U.S. history is a complex combination of concepts that stretch over multiple fields of more specific study. They include, but are not limited to: politics, economics, governmental philosophy, business practices, and military expansion and usage. Throughout the year we will discuss all of these concepts. At times they will be discussed individually, while at other times they will be intertwined. These concepts along with a countless number of intriguing characters create our Nation's history. Students will participate in lectures, discussions, readings, a notebook project, and videos to better understand America's past. This course meets the Illinois one year U.S. History requirement for graduation.

AMERICAN AND GLOBAL ISSUES -- 2 semesters; 1 credit per year (So, Jr, Sr)

Prerequisite: World Geography (or other social science course for transfer students)

State course code: 04156A000 United States and World Affairs

American & Global Issues is a course that teaches you about the issues facing us here in the United States, and overseas. This class is designed to help you understand how these issues impact your very life, how to interpret these problems, analyze these problems, then create your own opinion about the problems we as humans face in the world. This class will better prepare you for the ever changing and complex world that you are about to embark upon. Ultimately, this class is designed to make you think. It is designed to make you think for yourself and for you to take pride in your ideas, while simultaneously respecting the ideas of others.

CURRENT EVENTS – 2 semesters; 1 credit per year (Seniors only)

State course code: 04064A000 Contemporary World Issues

This course is designed to analyze and interpret the news around us, including local, national, and global events, and determine how these events affect us in the present, and how they could affect us in our future. In doing so, our goal is to have a better understanding of how each person impacts the society around them, and to create an idea of what each of us must do to better our lives and the society we inhabit.

RICHLAND ON (AO) CAMPUS DUAL CREDIT CLASSES

INTRO TO SOCIOLOGY (SOC 110) – 1 semester, ½ high school credit, 3 college credits (Jr., Sr.), Must pass the Richland placement test. Class fulfills a group requirement for an associate degree

State course code: 04258A000 Sociology

Provides a basic introduction to the discipline of sociology. The course explores the basic perspectives and methods of sociological inquiry, the relationships between humans, their society, and their culture, and the concept of social organization.

INTRO TO PSYCHOLOGY (PSYCH 110) – 1 semester, ½ high school credit, 3 college credits (Jr., Sr.) Must pass the Richland placement test. Class fulfills a group requirement for an associate degree.

State course code: 04254A000 Psychology

Examines major psychological approaches to the study of human behavior and mental processes. It includes topics on the biological bases of behavior, learning, motivation, personality, stress, mental illness, memory and perception.

RICHLAND TRANSFER ACADEMY: Since it began in 2012-2013 school year, senior students can apply to attend the Transfer Academy, which allows students to take dual credit coursework at the Richland Community College campus. A limited number of students will be accepted. (In 2015, the AO Board set the limit of Transfer students to 10.) Students must have a 4.0 or higher GPA and pass the eligibility requirements to take dual credit transferrable coursework.

PROGRAMS OFFERED THROUGH THE HEARTLAND TECHNICAL ACADEMY

The Heartland Technical Academy allows students to gain hands-on experience in a wide variety of career fields. The Tech Academy provides the opportunity for students to develop career related employment skills. These programs have been designed for students who plan to further their education after graduating from high school.

Argenta-Oreana High School juniors and seniors may apply to attend the Heartland Technical Academy in January of the prior year. Students must meet eligibility requirements including good attendance and minimum grade point average requirements of “C” (3.0). There is an additional fee of \$225 to Argenta-Oreana District to attend; there are also fees paid to the Academy to cover equipment/participation costs.

Agri-Science Technology (Pre-Vet) State codes: (Year One) Vet Tech 18105A001 (Year Two): Animal Science 18101A002

Auto Body State codes: (Year One) 20116A001; (Year Two) 20116A002

Automotive Technology State codes: (Year One) 20104A001; (Year Two) 20104A002

Business Technology & Procedures (Medical Office specialty concentration)

State code: Medical Records Assistant 14202A001

Cosmetology State codes: (Year One) 19101A001 (Year Two) 19101A002

Criminal Justice State codes: (Year One) Law Enforcement I 15051A003; (Year Two) Law Enforcement II 15051A004

Culinary Arts & Hospitality: (Year One) 16052A001; (Year Two) 16055A001

Early Childhood Education (ECE) State codes (Year One) Care and Learning Services Occup. 19054A001; (Year Two) Care and Learning Services Mgmt 13302A002

Engineering Technology: State codes (Year One) (Industrial Maintenance I) 13302A001 (Year Two) (Industrial Maintenance II) 21001A002

Entrepreneurship Through Technology: (Year One) State code Entrepreneurship 12053A001 (Year Two) State code Service Oriented Marketing 12055A001

Graphic Arts State code: (Graphic Communications I) 11154A001

Industrial Trades State codes: (Year One) Construction Trades I 17002A001 (Year Two) Construction Trades II 17002A002

Nursing Assistant State code: 14051A001

Welding State codes: (Year One) Welding Technology I 13207A001; (Year Two) Welding Technology II 13207A002

For more specific information about the programs, see your guidance counselor or check them out online at www.tech-academy.org