# 

# RED OAK COMMUNITY HIGH SCHOOL

**COURSE DESCRIPTION**

## HANDBOOK

**2017-2018**

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**Red Oak High School offers students the opportunity to learn in a positive and safe environment. Students are given an opportunity to participate in meaningful and fulfilling activities and enroll in courses appropriate to their skills and abilities. The main objective at Red Oak High School is to prepare students for "life."**

**USE OF COURSE DESCRIPTION BOOK**

The information contained in this Course Registration Manual is designed to help parents and students better understand the program of studies at ROHS. Approximately 15 departments and over 100 courses are described. If you spend time planning carefully now, you will find this manual very helpful.

When planning your course selection, your first step should be to think about why you are taking courses. What are your long-term goals - to go to college, to get a job, to go on to a vocational school? After you have thought about what your goals are, discuss with your parents and counselor what courses you should take. Make a list of the courses you will need to accomplish your goals, a list of required courses, and a list of the courses you would like to take because you would enjoy them. Next you will need to figure what courses you should take each year you are in school. **This is called a four-year plan and your guidance counselor will help you to write one. We will keep this plan on file and review it each year with you to insure that you are on track. Students and parents can access the website** [**www.ihaveaplaniowa.gov**](http://www.ihaveaplaniowa.gov) **for help with the plan.**

The National Honor Society recently released results of a survey of college students around the U.S. The advice these students give is amazingly consistent. "Take tough courses in high school like Algebra II, Trigonometry, English courses, science courses, foreign language courses, and social studies courses so that you will be able to understand and communicate with other people. Don't try to short change yourself. Don't take easy courses - take the roughest to prepare yourself for a university and for life - work to improve study habits." They also emphasized being a well-rounded person and encouraged taking courses in art, music, industrial arts, business, and home economics. They encouraged students to participate in extracurricular activities. They have given good advice. We hope your high school years will be enjoyable ones. We know they will be shorter than you now realize and that there is much for you to learn. The choices you make now are important ones. They will influence you the rest of your life. Make them wisely.

Registration occurs in the early spring. After this survey is conducted, the information obtained is used to determine which courses (and the number of sections of each course) are to be taught. It also enables the principal to design a schedule with the least number of conflicts. A request for a change may only be made according to the criteria outlined under the section entitled Schedule Changes. Refer to page 6.

Please pay particular attention to such items as making up credits for courses that have been failed, graduation requirements, definitions that will clarify some educational terms, rules on dropping courses, pass-fail grading system, instrumental and vocal music, duplicating courses and classifications of students as to grade level.

The counselor will provide assistance in planning your curriculum and in the selection of courses. Feel free to visit with your counselor at any time about any question or concern.

**GOALS AND OBJECTIVES OF RED OAK HIGH SCHOOL**

The goals of Red Oak High School have been developed through the combined efforts of the faculty and administration. This list is neither complete nor fully implemented. Rather, the list provides evidence that we are continuously seeking methods and means to reach our objectives. The Red Oak Community School District affirms that in order to preserve our free society, we must continually try to improve our schools. We must attempt, in so far as it is possible, to provide education, which recognizes individual differences, yet, promotes advancement of heterogeneous groups within a graded school. The school district acknowledges that its programs must meet the needs of the community it serves.

The school district appreciates the need for its goals to be learner-centered and believes that the responsibility for achieving these goals rests with the Board of Education, the administrators, the teachers, the parents, and of course, with the students themselves. The ultimate goals and immediate objectives then should be clearly understood and frequently examined by everyone engaged in the process of learning and teaching. With these beliefs in mind, we conceive our present school objectives to be as follows:

1. To help every student to feel that he/she is a worthwhile human being.
2. To stress the development of habits of self-control and of obeying rules pertaining to the safety of self and others in all areas of instruction and also in the home, at work and in recreation.
3. To recognize and provide for individual differences.
4. To encourage each individual to assume more and more responsibility for his/her own actions and his/her own education.
5. To encourage logical thinking and intellectual honesty.
6. To encourage freedom of academic inquiry on the part of teachers and on the part of students in so far as this is commensurate with the ideals and objectives of the community they serve.
7. To insure that every student should have the opportunity to clarify his/her own sense of values.
8. To create a climate where the student can achieve his/her academic potential.
9. To encourage creativity.
10. To make sure that every child has command, to the limits of his/her ability, of the tools of learning.
11. To prepare students to make wise choices in the world of work and in consumer spending.
12. To enable students to strive for physical fitness and to develop recreational skills.
13. To provide opportunities for the student to develop aesthetic awareness.
14. To provide the best and most appropriate educational media for its students.

**GRADUATION REQUIREMENTS**

Students of Red Oak High School are required to have 52 credits to graduate. These include:

* 6 semesters in science including Biology and Physical Science;
* 8 semesters in language arts; College English Comp I & II or College Intro to Lit will count towards the senior English requirement.
* 6 semesters in social studies (1 semester of Economics, 1 semester of Government, 1 year of US History,1 semester of World Area Studies, and one additional elective);
* 6 semesters in mathematics including Algebra I, Geometry or its equivalent;
* 1 semester in Fine Arts (Music, Art, etc.);
* 2 semesters in CTE (Career & Technical Education) **Business, Ag, Industrial Arts, Health Occupations, Family & Consumer Science**
* Physical Education/Aerobics/Weight Training is required every other semester with 1 credit per year being given to grades 9-12.

**\*The following science classes will meet the third year requirement of science: Chemistry, Physics, Anatomy, Ag Ed I, Ag Ed II, Ag Ed III, Vet Science I, Vet Science II, Environmental Studies, and Science Technology and Society.**

**COURSE REQUIREMENTS**

The following courses are required and should be taken at the level indicated. **Check each yr w/ counselor:**

**9th** **10th**

Language 9 (2) \*U.S. History, after 1865 to present (2)

Math Elective (2) Language 10 (2)

\*\*\*World Area Studies (1) Biology (2)

Physical Science (2) Social Studies Elective(1)

Physical Education (1) Math Elective(2)

\*\*\*World Area Studies (1)

Physical Education (1)

**11th** **12th**

American Lit. (2) Economics (1)

\*U.S. History, after 1865 to present (2) Government (1

Physical Education (1) Physical Education (1)

\*\*\*\* Science or Math Elective (2) \*\*\*\*Science or Math Elective (2)

Language Arts (2)

\* Required during sophomore or junior year

\*\*\* Required during freshman or sophomore year

\*\*\*\* 3rd year of Science and Math required

**Making up courses that have been failed:** Whenever a student fails a required course, the course must be made up or re-taken as soon as possible. Whenever a student fails an elective course, the particular course failed need not be made up or retaken; however, the student must be sure he or she will have enough credits to graduate. The best procedure to follow whenever a course is failed in each and every situation is for the student to visit with the counselor. No credit is given for courses failed.

**Duplicating Courses:** In most cases when a course is successfully completed it may not be retaken for credit. There are exceptions and you should review each course description. The principal and teacher’s written permission to duplicate any course is required.

**SCHEDULING PARAMETERS**

Red Oak Senior High School will schedule students during the **second semester** for both semesters of the forthcoming school year. All classes are considered to be one semester in length so far as an individual student's schedule is concerned.

Teacher assignments for two semesters will vary. Students will receive a copy of their schedule in August.

To insure that both parents and the guidance counselor are actively involved in the scheduling process, both parent and counselor signatures are required before a schedule is deemed "finalized".

Requests for schedule changes will generally be considered through the second day of 1st semester for 1st semester classes, and through the second day of 2nd semester for 2nd semester classes.

**MINIMUM SCHOOL DAY FOR HIGH SCHOOL STUDENTS**

The Board of Directors encourages all students to make maximum use of curricular offerings, supplemental resources such as libraries and all other educational facilities.

To that end, it shall be the policy of the Red Oak Community School District that all high school students are in attendance for a school day of eight periods. Each student is to be enrolled in a minimum of seven courses and a seminar class per semester.

**GRADING SYSTEM**

Every student will receive quarter and semester grades. The only grades maintained in the school's permanent record and used to determine class rank are those shown as final semester grades.

Letter grades are used in the reporting system. The following is a brief summary of this system:

A - excellent CR - credit grades

B - very good WP - Withdrew passing

C - average WF - Withdrew failing

D - lowest passing mark M - Student did not complete course for medical reasons

F - failing, no credit NC – no credit received, but in GPA

Any exception to this grading system will be reviewed with students by their respective instructor.

**WEIGHTED CLASSES**

**“Weighted Classes”** are any honors classes, AP classes or college courses that lead into a four year college program. These courses will not include CTE (Career & Technical Education) courses offered by a local community college. The weighted classes’ mathematical values are represented in the table:

|  |  |  |  |
| --- | --- | --- | --- |
| ***Letter Grade*** | ***Percentage*** | ***Regular, Non-weighted Course*** | ***Weighted Course*** |
| *A* | *100 – 93* | *4.000* | *5.000* |
| *A-* | *92 – 90* | *3.667* | *4.667* |
| *B+* | *89 – 87* | *3.333* | *4.333* |
| *B* | *86 – 83* | *3.000* | *4.000* |
| *B-* | *82 – 80* | *2.667* | *3.667* |
| *C+* | *79 – 77* | *2.333* | *3.333* |
| *C* | *76 – 73* | *2.000* | *3.000* |
| *C-* | *72 – 70* | *1.667* | *2.667* |
| *D+* | *69 – 67* | *1.333* | *2.333* |
| *D* | *66 – 63* | *1.000* | *2.000* |
| *D-* | *62 – 60* | *.667* | *1.667* |
| *F* | *59 and below* | *0.0* | *0.0* |

**PASS-FAIL GRADING SYSTEM AND THE G.P.A**.

Course work may be taken on a pass-fail basis, but only with the permission of the instructor and principal **PRIOR** to the end of the first week of the class involved.

**SCHEDULE CHANGES**

Students needing to change their high school class schedules must sign up in the guidance office or call the counselor during the two weeks prior to the start of school in the fall and during the last week of first semester for the spring semester. Schedule changes will be done during the first two days of each semester.

Schedule changes must have counselor and parent approval. It is the student's responsibility to contact his or her parents for approval.

Schedule changes may be made according to the following criteria:

* computer and/or clerical error
* proficiency level on Iowa Assessment
* failure in first or second semester courses
* completion of summer school courses, correspondence courses, or independent study projects
* special education placement
* seniors who need courses for graduation in their schedule
* failure to have the necessary pre-requisites of a course
* wanting to simply add a course without disturbing the rest of the schedule

All students must have at least 7.0 credits each semester. Students will not be permitted to change their schedule to go to work, unless they are participating in the MOC program.

Changes deemed unnecessary will not be done. Examples of these include but are not limited to: (1) requesting a specific teacher for a course; and (2) requesting a specific hour for a class.

**RECOMMENDED HIGH SCHOOL PREPARATION FOR COLLEGE**

The best predictor of academic success generally is the high school record. If students have good grades and sufficient credits in particular subject areas to meet the entrance recommendations listed below, they can expect to enter beginning courses at the post secondary level with a high assurance of success.

Therefore, we recommend that secondary school courses include the following minimums:

* + - Eight semesters of English with major emphasis on composition and communication skills; four years for students entering social sciences or communications fields.
    - Six semesters of mathematics (four semesters of algebra and two semesters of geometry). A semester of trigonometry is needed to permit students to enter the freshman courses in engineering and the mathematical and physical sciences.
    - Two semesters of biological science.
    - Two semesters of physical science (physics or chemistry).  
      Students majoring in the physical or mathematical sciences or engineering should take four semesters of physical science.
    - Two or four semesters of foreign language. Students entering the College of Sciences and Humanities are encouraged to take six semesters of a foreign language.

A minimum of one semester of computer training is recommended for those who are college bound.

**COLLEGE ADMISSIONS REQUIREMENTS BECOMING MORE STRICTLY DEFINED**

Students applying for admission to college in the future may find admission requirements more precisely or strictly defined than in the past. The key word is requirements rather than recommendations. For example, freshmenentering the University of Iowa's College of Liberal Arts are required to complete the following set of preparatory high school courses in addition to meeting already established admissions standards:

* Four years of English/language arts
* Three years of mathematics (two years of algebra and one year of geometry)
* Three years of a natural science (two years must be chosen from among chemistry, physics, and biology)
* Three years of social studies
* Two years of foreign language.

Not required but strongly recommended will be high school courses in the arts and humanities, a computer course, and additional study in mathematics.

Some departments at the university recommend additional high school courses for preparation.

**LEVEL CHANGES**

A student's ability level and placement in class are determined by prior test data and previous performance in course work. Very infrequently a student may need to change the level of a class in which the student is enrolled. To initiate a level change, the student should talk with the teacher and/or counselor. Parents will be contacted prior to any course change being done.

**INDEPENDENT STUDY**

The purpose of independent study is twofold: (1) to organize student exploration of a subject area so that a student may examine an area of interest in depth and under the direction of a faculty member or a department; and (2) to resolve a schedule conflict.

**Plan for Independent Study:**

* 1. Student contacts teacher or teachers under which independent study project class will be conducted.
  2. Counselor reviews the proposal, ascertains parental consent, signs the request and sends the form to the Principal for approval.
  3. The signed agreement is filed in the student’s Cum folder.

**Guidelines for Participation:**

* 1. Independent study courses are recommended only for grades 11 and 12.
  2. The student and teacher advisor must have mutually agreeable free time for consultation and planning.
  3. Students must complete all work on courses for credit at least one week prior to the close of the semester in which the work will be recorded.
  4. All requests must be approved by the student's parent or guardian.
  5. Students must complete all necessary regularly offered courses in a particular area before approval will be given for an independent study course unless this is to resolve a schedule conflict.

**NEW LEGISLATION FOR JUNIORS & SENIORS**

In 2008, the Senior Year Plus Program was enacted to promote rigorous academic pursuits and to provide a wider variety of options to all high school students enabling eleventh and twelfth grade students to enroll part-time in nonsectarian courses in eligible post-secondary institutions of higher learning in Iowa. A ninth or tenth grade student who is identified as a gifted and talented student according to the Red Oak Community School District's criteria and procedures is eligible to enroll under this Act.

For more information on the Senior Year Plus Program visit [www.redoakschooldistrict.com](http://www.redoakschooldistrict.com).

**CORRESPONDENCE COURSES**

Students may choose to take a correspondence course to make-up for an elective course. This will be at the students’ expense. **Seniors-All correspondence courses must be completed thirty (30) days prior to graduation.**

**SUMMER SCHOOL INSTRUCTION**

Students may elect to take one course during the summer to make up for a failed course. This course will be offered by the Red Oak Alternative Program. Any exceptions to this rule must be approved by the Board of Education as per board policy 603.2. The student/parent is responsible to pay the fee for the class.

**LANGUAGE ARTS DEPARTMENT**

**COURSE LENGTH**

Language 9 All Year

Honors Language 9 All Year

Language 10 All Year

Honors Language 10 All Year

American Literature All Year

Honors American Literature All Year

Language 12 All Year

Survey of Literature All Year

Reading All Year

\* TWO OF THE ABOVE FOUR COURSES MUST BE COMPLETED IN THE SENIOR YEAR TO FULFILL THE SENIOR LANGUAGE ARTS REQUIREMENT.

**These year-long courses focus on the Iowa Core strands: Reading, Writing, Language, and Speaking and Listening. Throughout these courses, students are provided opportunities to advance various 21st century skills and skills included in the Iowa Core strands mentioned above. As students work towards developing their individual writing, they will learn writing techniques, take part in class discussions, advance presentation skills, develop leadership skills, improve their teamwork capabilities, and progress their decision making skills that are necessary in the work world.**

Language 9 All Year

Grade 9

Required

Credit: 2

An emphasis will be given to the Iowa Core language strand, literature, along with research and informational writing. Students will engage in the writing process on a continual basis and produce pieces of writing that will exemplify writing abilities and progress.

Honors Language 9 All Year

Grade 9

Credit: 2

Weighted

**Prerequisite:** Instructor permission granted based on a combination of the following criteria: Iowa Assessment scores of 85%+, High Avg-High NWEA Map reading scores, and/or previous teacher recommendations.

Honors Language 9 meets the requirement of the 2 semester course for freshmen (Language 9). This course is designed to be more rigorous than Language 9 and is intended for the advanced learner. An emphasis will be given to Iowa Core language strand, literature, and writing. Students will engage in the writing process on a continual basis and produce pieces of writing that will exemplify writing abilities and progress.

Language 10 All Year

Grade 10

Required

Credit: 2

An emphasis will be given to argumentative writing and informational text. Students will engage in the writing process on a continual basis and produce pieces of writing that will exemplify writing abilities and progress.

Honors Language 10 All Year

Grade 10

Credit: 2

Weighted

**Prerequisite:** Instructor permission granted based on a combination of the following criteria: Iowa Assessment scores of 85%+, High Avg-High NWEA Map reading scores, and/or previous teacher recommendations.

Honors Language 10 meets the requirement of the 2 semester course for sophomores (Language 10). This course is designed to be more rigorous than Language 10 and is intended for the advanced learner. An emphasis will be given to argumentative writing, informative writing, and informational text. We will look at examples of writing, analyze writing, discuss writing, undergo the writing process on a continual basis, and produce individual and team pieces of writing that will exemplify writing abilities and progress.

American Literature All Year

Grades 11

Required

Credit: 2

This required class involves a study of 17th - 21th Century Literature. American Literature involves independent and small group work, project work, and large group discussion. There is an emphasis on personal evaluations of literature, both oral and written. This course will emphasize Early America, Romanticism, Civil War, Regionalism & Realism, Modern Age, Depression-Cold War, and 1960s to present. The course will also review and emphasize the effective principles of writing.

Honors American Literature All Year

Grades 11

Credit: 2

Weighted

**Prerequisite:** Instructor permission granted based on a combination of the following criteria: previous language arts grades, Iowa Assessment scores of 85%+, High Avg-High NWEA Map language scores, and/or previous teacher recommendations.

Honors American Literature meets the requirement of American Literature for Juniors. This course is designed to be more rigorous than American Literature and is intended for the advanced learner. This required class involves a study of 17th – 21st century literature. There is an emphasis on personal evaluations of literature. This course will emphasize Early America, Romanticism, Civil War, Regionalism & Realism, Modern Age, Depression-Cold War, and 1960s to present. The course will also review and emphasize the effective principles of writing.

Language 12 All Year

Grade 12

Credit: 2

This two semester course may be used to fulfill the senior English requirement. Career and college readiness skills are emphasized.

Survey of Literature All Year

Grade 11 or 12

Credit: 2

This two semester course may be used to fulfill the senior English requirement. An emphasis will be given to the works of major authors from ancient to modern times.

Reading 1 semester

Grade 9-12

Credit: 1

**Required when a student is not proficient in reading by Iowa Testing standards.**

This is a required course for students who test below proficient (41%) on the Iowa Assessments. Those who take this course will have required reading and also focus on developing reading fluency and comprehension. There are weekly vocabulary tests and small group activities to help students understand oral versions of short stories. There are limited opportunities to test out of this course.

**FOREIGN LANGUAGE**

**COURSE LENGTH**

Spanish I All Year

Spanish II All Year

Spanish III All Year

Spanish IV All Year

Spanish I All Year

Grade 9-12

Elective

Credit: 2

Spanish is a course developed for those students who would like to learn another language while exploring the culture and everyday life of the Spanish-speaking world. Emphasis is placed on learning the vocabulary and grammar needed to communicate in Spanish. Students also investigate the different areas of the world with Hispanic culture.

Spanish II All Year

Grade 10-12

Elective

Credit: 2

**Pre-requisite: Spanish I with at least a C or teacher approval.**

As a continuation of Spanish I, students again expand and focus on their vocabulary and grammar skills. Emphasis continues to be on communication skills as well as the understanding and appreciation of Hispanic culture.

Spanish III & IV All Year

Grade 11-12

Elective

Credit: 2

**Pre-requisite: Spanish II & III with at least a C or teacher approval.**

Students begin an in-depth look at Spanish literature, art, and culture. Conversation and reading skills are reviewed and practiced and grammar structures are analyzed. Emphasis continues to be placed on communication and the everyday life of persons in Spanish-speaking countries.

**SOCIAL STUDIES**

**COURSE LENGTH**

World Area Studies 1 semester

U.S. History: 1865 to Present All Year

Western Civilization 1 semester

Psychology 1 semester (fall)

Topics in Psychology 1 semester (spring)

Social Problems 1 semester

21st Century World Problems 1 semester

Advanced Placement U.S. History All Year

**\***Economics 1 semester

**\***Government 1 semester

**\*Must be taken to fulfill the senior requirement.**

World Area Studies 1 semester

Grade 9-10

Required

Credit: 1

The focus will be on developing an understanding of diverse world cultures and the relationships that exist between the many different cultures, which continue to play an increasingly greater role in one interdependent global society. Emphasis will also be placed on reinforcement and enhancement of physical geography skills.

U.S. History: 1865 to Present All Year

Grade 10-11

Required

Credit: 2

This full year course will be taught in a chronological sequence. Students will begin the year with a brief review of American history up to Reconstruction, with special emphasis given on the U.S. Constitution. Topics to be covered in this course over the full year include: Reconstruction, Growth in the West, Industrialization and Immigration, The Progressive Era, Imperialism, World War I, the Roaring Twenties, the Great Depression, and the New Deal, the Rise of Dictators and World War II, the Cold War Era, the Civil Rights Era, the Vietnam War Years, and America in a Changing World.

Western Civilization 1 semester

Grade 10-12

Elective

Credit: 1

This course involves the study of civilizations that contributed to development of the present cultures in Europe and the United States. It examines the growth of Western Europe from the Reformation to the beginning of World War II. Focusing on selected historical moments during this period, the course considers how the quest for freedoms and rights transformed politics, religion, and economics; in so doing, it will also examine the reaction to this transformation, especially in the growth of absolutism, imperialism, socialism and totalitarianism.

Psychology fall semester

Grade 10-12

Elective

Credit: 1

Psychology is designed to assist young people in a better understanding of themselves and others. Topics discussed include: history of the science of psychology theories, basic vocabulary, genetics, development, biological influences on personality, personality disturbances, treatment, drugs and alcoholism, tests, mental retardation, savants and giftedness. A variety of instructional methods are used to encourage the student to enjoy learning.

Topics in Psychology spring semester

Grade 10-12

Elective

Credit: 1

Topics in Psychology involves the student in a variety of subjects such as personality, personality disorders, stress, violence, crime, military, conformity and many others. Students will learn how psychology is applicable to everyday life.

Social Problems 1 semester

Grade 11-12

Elective

Credit: 1

We will be examining current social problems and the sociological concepts, theories, and methods used in their analysis. Emphasis is on the role of power and ideology in the definition of social problems, the causes and consequences of social problems, and the methods of intervention. Topics include crime, poverty, gender inequality, race/ethnic inequality, and family problems.

21st Century World Problems 1 semester

Grade 11-12

Elective

Credit: 1

Most of the problems of today's world are rooted in the past. In this class students will examine world events of the 21st Century for the purpose of understanding today's problems and future trends. World developments in all regions of the world will be studied. Current world problems will be studied and emphasis will be given to the major issues of the day. Everything from wars to environmental issues will be a concern of the class. This class will be offered only the second semester.

Advanced Placement U.S. History All Year

Grade 11-12

Elective

Credit: 2

**Pre-requisite: 3.00 GPA or approval by department**

A one year comprehensive study of U.S. History from Discovery Age to present. This course will prepare students for entry-level college history courses. Students will improve their reading, writing and analysis skills. There is a possibility that students enrolled in A.P. History will be able to earn college credit by scoring high enough on the College Board A.P. History test given in May of each year.

Economics 1 semester

Grade 12

Required

Credit: 1

Economics is a one-semester class for all seniors. It is a requirement for graduation. It covers introductory economic concepts including: U.S. economy, supply and demand, stock market, taxes, U.S. government policies, unemployment, and business in the United States. Various consumer topics are covered. This course meets the requirement for Economics and Financial Literacy of the Iowa Core Curriculum. Numerous activities and guest speakers are utilized.

Government 1 semester

Grade 12

Required

Credit: 1

Government is a one-semester class for all seniors. It is a requirement for graduation. It covers introductory government concept including: U.S. Constitutional Principles; Executive, Legislative, and Judicial branches; Comparative Government; Politics and Elections: of Government United States. Current events are an integral part of his curse. This course meets the American Government requirements of the Iowa Core Curriculum.

**MATHEMATICS**

**COURSE LENGTH**

Pre Algebra All Year

Algebra I All Year

Geometry All Year (required for the class of 2020)

Consumer Math All Year

Algebra II All Year

Trigonometry/Pre Calculus All Year

**\* Please note: in order to enroll for 2nd semester of these courses, one must successfully pass 1st semester.**

Pre-Algebra All Year

Grade 9

Credit: 2

**Pre-requisite: Placement in Pre-Algebra will be based on the student’s math standing at the end of 8th grade.**

This course is designed for those that have been previously identified as students that may struggle with Algebra. It will use problems and explorations to help improve mathematical thinking. Students will focus on number sense, operational sense, equation structure, and the coordinate plane.

Algebra I All Year

Grade 9 & 10

Required

Credit: 2

This course is a study of equations, functions, coordinate systems, and applications of each in problem solving. Algebra I is the first math class expected to meet graduation requirements.

Geometry All Year

Grade 9, 10 & 11

Required

Credit: 2

**Pre-requisite: Successful completion of Algebra I**

A standard study of Euclidean plane geometry with a strong emphasis on the solving of geometric proofs. Included are brief studies of logic, trigonometric functions and coordinate geometry. This is a two semester course. 2nd semester is open only to those who successfully passed 1st semester geometry.

Consumer Math All Year

Grade 11 & 12

Credit: 2

**Pre-requisite: Successful completion of Geometry and does not meet requirement for Algebra II**

Consumer Math will help students navigate the financial decisions they face today and tomorrow by teaching financial management skills. The class explores financial concepts such as compound interest, budgeting, investing, loans, and taxes.

Algebra II All Year

Grade 10 - 12

Credit: 2

**Pre-requisite: Successful completion of Geometry and proficient rating on Algebra/Geometry Assessment**

This is an integrated course in algebra and trigonometry containing the modern mathematical viewpoints. Emphasis is placed on mathematical structure, various number systems, from natural to complex numbers and the properties of each. This course is the second in a series of college preparatory courses.

Trigonometry/Pre-Calculus All Year

Grade 11-12

Elective

Credit: 2

**Pre-requisite: 1 year Geometry and 1 year Algebra II (unless teacher approval)**

An intense study of trigonometry functions and relationships. Major emphasis is placed on the solving of triangles, trigonometric identities, use of vectors, and transformations. This course is highly recommended for those going to college.

**SCIENCE**

**COURSE LENGTH**

Integrated Physical Science All Year

Biology All Year

Environmental Studies 1 semester

Science, Technology and Society 1 semester

Anatomy All Year

Chemistry All Year

Physics All Year

Integrated Physical Science All Year

Grade 9

Required

Credit: 2

An introductory course to the study of matter (chemistry), energy (physics) and Space and Earth systems (Earth Science). Topics include graphing, use of the scientific method, Periodic table, chemical and physical interactions of matter, Laws of Motion, mechanical and electromagnetic waves, weather, climate, astronomy, including the big bang theory. Use of lab activities, reading assignments, projects and computer simulations will assist students in their understanding of the essential concepts for this class. A semester project/experiment is required for this class.

Biology All Year

Grade 10

Required

Credit: 2

Biology is the study of living organisms that asks the questions what does it mean to be alive, and how do living things do some of the thing they do. Biology is all about different relationships of organism in an environment and this class will discuss all of these relationships as well as the relationships of the different levels of organization of living organisms. Lab work will also be utilized to aid in the educational process.

Environmental Studies 1 semester

Grade 11-12

Elective

Credit: 1

Environmental principles and topics will be studied in this course. Emphasis is placed on ecological awareness, current environmental issues and development of skills needed for citizen action and involvement in environmental management. Areas of concern to be investigated are resource management, environmental pollution, human interaction with the environment and current fishing laws. Environmental studies include individual and group reports, projects and laboratory investigations.

Science, Technology, and Society 1 semester

Grade 11-12

Elective

Credit: 1

This semester class is open to college and non-college bound students. Essential concepts in basic science will be covered, by looking at the connections between science, technology, and society. Areas of concern that will be examined include the changing earth, weather, energy and society, the expanding universe, radiation, and toxic wastes. This course is aimed at teaching science literacy to the students who will not become professional scientists. Presentation of information may be in the format of Web 2.0 tools.

Anatomy All Year

Grade 11-12

Elective

Credit: 2

**Pre-requisite: Grade B or higher in Biology or instructor permission**

Anatomy is a work intensive course focusing on describing and explaining the fundamental facts and principles of human structure and function. The class will cover an in-depth look at the structural levels of organization and follow them from the chemical level all the way to the organism level. Lab will be utilized to aid in the learning process. Anatomy is highly recommended for the student planning on a health career.

Chemistry All Year

Grade 11-12

Elective

Credit: 2

**Pre-requisite: Algebra I**

Chemistry is a survey course of inorganic chemistry. The properties of the elements, their compounds, reactions, and practical uses constitute the main portion of the course. One or more labs accompany each unit of study. College bound students should consider this course a must. This is a suitable course for the average and above average student. A calculator is required. A scientific calculator is recommended.

Physics All Year

Grade 12

Elective

Credit: 2

**Pre-requisite: grade B or higher in Algebra I or instructor approval**

A survey of the basic fields of physics including mechanics, heat, light, sounds, electricity, and nuclear physics is presented. Since physics is an attempt to describe the physical world in mathematical terms, this course makes use of many mathematical equations. One or more labs accompany each unit of study. This course is highly recommended for students planning to take additional science courses in college. A calculator is required, a scientific calculator is recommended.

**BUSINESS EDUCATION**

**The following business courses are offered through the Stanton High school. Students will be bussed to and from the Stanton High School each day. This may result in some missed class time due to transportation time and schedule differences. Talk with Mr. Brabec if you want these classes.**

**COURSE LENGTH**

Accounting I All Year

Accounting II All Year

Entrepreneurship All Year

Computer Applications 1 semester

Adv Computer Applications 1 semester

Introductory Business All Year

Multimedia Keyboarding 1 semester

Programming & Web Design All Year

The following business courses are offered through the **Stanton High School**. Students will be bussed to and from the **Stanton High School** each day. This may result in some missed class time due to transportation time and schedule differences. **Talk to Mr. Brabec if you want these classes.**

Accounting I All Year

Grade 9-12

Elective

Credit: 2

Accounting courses introduce and then expand upon the fundamental accounting procedures used in small businesses. Typically, the first year covers the full accounting cycle, and incorporates topics such as payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles to the projects they work on and may prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools may be used. In advanced courses, elementary principles of partnership and corporate accounting are introduced and explored, as are the managerial uses of control systems and the accounting process.

Accounting II All Year

Grade 10-12

Elective

Credit: 2

Accounting courses introduce and then expand upon the fundamental accounting procedures used in small businesses. Typically, the first year covers the full accounting cycle, and incorporates topics such as payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles to the projects they work on and may prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools may be used. In advanced courses, elementary principles of partnership and corporate accounting are introduced and explored, as are the managerial uses of control systems and the accounting process

Entrepreneurship All Year

Grades 11-12

Elective

Credit: 2

Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own business. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. This course provides an overview of economics with some emphasis on the principles of microeconomics and a focus on the U.S. economic system; this course covers topics such as principles of macroeconomics, international economics, and comparative economics. Upon completion of this course a student will be able to develop a business plan.

Computer Application 1 semester

Grades 9-12

Elective

Credit: 1

An introductory course surveying computer topics to include history, hardware, software, terminology, communications, computer ethics, and societal impact. Introductory modules for MS Office programs will also be included.

Adv Computer Application 1 semester

Grades 9-12

Elective

Credit: 1

An introductory course surveying computer topics to include history, hardware, software, terminology, communications, computer ethics, and societal impact. Introductory modules for MS Office programs will also be included.

Introductory Business All Year

Grade 9-12

Elective

Credit: 2

Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance; the role of government in business, consumerism, credit, investment, and management; and may provide a brief overview of the American economic system and corporate organization. In addition, Introductory Business courses may expose students to the varied opportunities in secretarial, accounting, management, and related fields.

Multimedia Keyboarding 1 semester

Grade 9-12

Elective

Credit: 1

This class is offered to students who want to learn more about the uses, application, and integration of various new technologies for use in word processing. Students will review basic word processing skills as needed for writing and formatting business letters, memorandums, outlines, tables, and reports. Students will be learning how to use the latest word processing software. They will then learn to incorporate information from various sources to be used in their assignments. Students will also learn proper internet etiquette to use and post information online. The course content will go beyond current Microsoft Word activities/projects in Computer Applications.

Programming & Web Design All Year

Grade 10-12

Elective

Credit: 2

**Prerequisite:** Students enrolling in this class must have successfully completed Computer Applications and Advanced Computer Applications.

The purpose of this course is to engage students in grades 10-12 in the web design process with emphasis on designing and maintaining the Stanton Community School District web site. Students will receive instruction in the basics of HTML, Microsoft FrontPage, Microsoft Word, Microsoft Excel, Microsoft Access, and Microsoft PowerPoint. Textbooks, online tutorials, lessons, and information will be used to build students’ knowledge of this process.

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**FINE ARTS**

**COURSE LENGTH**

Studio Art 1 semester

Drawing & Printmaking 1 semester

Ceramics 1 semester

Advanced Art I & Advanced Art II 1 semester

Yearbook All Year

Digital Media Arts 1 semester

Virtual Reality 1 semester

AP Studio Art 2D Design All Year

Junior Varsity Choir All Year

Varsity Choir All Year

Band All Year

Music Theory All Year

Studio Art 1 semester

Grade 9-12

Elective

Credit: 1

Studio Art is a one semester course for the student interested in exploring several creative art mediums. Units covered will include: drawing, pastels, printmaking, painting, ceramics, digital photography, and sculpture. Students will also learn art terminology and some art history. Grading will be based on attitude, participation, and the completion of required projects. This class will fulfill the fine arts requirement for graduation.

Drawing & Printmaking 1 semester

Grade 10-12

Elective

Credit: 1

**Pre-requisite: Students must pass studio art with a grade of C or better to enroll or teacher approval.**

This is a one semester course in which the student has the opportunity to work with and explore different drawing media and printmaking media. Pencil, pen & ink, pastel, and intaglio printmaking will be explored. Students will learn traditional and contemporary problems of representation, composition, art history and movements.

Ceramics 1 semester

Grade 10-12

Elective

Credit: 1

This is a one semester course in which the student will learn the basic principles of working in clay. Students will focus on learning several hand building techniques and the fundamentals of throwing on the wheel. Grading will be based on attitude, participation, work habits and the completion of required projects. An additional lab fee may be imposed based on the amount of materials used. This class will fulfill the fine arts requirement for graduation.

Advanced Art I and II 1 semester

Grade 11-12

Elective

Credit: 1

**Pre-requisite: Students must pass studio art and any other studio-based class with a grade of C or better or teacher approval.**

Advanced Art is a course for the serious art student. Students will select one or several artistic areas to explore in depth during the semester, with the goal to develop pieces for a portfolio. Students may elect to pursue advanced studies in sculpture, pottery, painting, drawing, digital media, and in other areas. Students will learn the basics of taking and preparing digital images of their completed work and develop a resume to submit when applying to art schools, scholarships, and art shows. Students may be required to purchase their own materials.

Yearbook All Year

Grade 10-12

Elective

Credit: 2

**Application required**

This course deals with all phases of yearbook preparation: planning, design, layout, photography, copywriting, advertising, sales, assembly and distribution. The course will include information about preparation and printing, and hands on production experience in assembling the yearbook. The class is open to all students in grades 10-12 upon teacher approval.

Digital Media Arts 1 semester

Grade 9-12

Elective

Credit: 1

Digital Media Arts is intended for high school level students to gain an understanding of digital print and online media. Students will design and create original works using a variety of dynamic art/video/audio software in order to develop digital visual communication skills. These skills will be directly applicable to students who desire to pursue higher level graphics or digital arts studies at the community college or university level. Students will use digital photography equipment, photo editing and web design software (Serif Creative Suite: PhotoPLUS/DrawPLUS/WebPLUS/MoviePLUS, Audacity, animation freeware, etc.) and graphic design software to demonstrate creative thinking, construct knowledge, and to develop innovative products and processes using digital photography and computer technologies. Students will visually communicate information and ideas effectively through these media.

Virtual Reality 1 semester

Grades 9-12

Elective

Credit: 1

May be repeated for credit

**Pre-requisite:** Must pass course with a B- or higher to continue course for repeated credit.

Virtual Reality is often used to describe a wide variety of applications commonly associated with highly visual 3-dimensional environments. Virtual Reality uses a computer to create a simulated 3-dimensional world. This class is an independent study where the student is free to explore and learn a variety of techniques used in computer graphics, virtual reality and computer animation. Students that are in this class must be self-motivated, have a desire to learn and have a good imagination. With this class being an independent study, students will be on their own doing research and designing various projects that will be due throughout the year. College credit is available through Morningside College to those who complete and submit required portfolio pieces and writings. Final college credit approval and college credit requirements may change and are at the discretion of Morningside College’s portfolio evaluators.

Junior Varsity Choir All Year

Grade 9-12

Elective

Credit: 2

This is a non-auditioned choir for students in grades 9-12. The course is designed to work on the fundamentals of reading musical scores, vocal production, and musicianship. Performances will include all school choral concerts (up to 3 a year). Students will eligible to audition for the All-State Chorus, the spring musical, state small group contests, Minnisingers, and all other student singing ensembles.

Varsity Choir All Year

Grade 9-12

Elective

Credit: 2

**Enrollment by instructor approval**

This class is an auditioned group selected from students who demonstrate advanced levels of musical ability and a strong work ethic. Performances will include all school choral concerts. Students will perform advanced choral literature that will include Iowa All-State repertoire. Varsity choir will compete at state/district music contests and will be involved in the Spring Musical. Students from this choir may also audition for the All-State Choir, be involved in solo/small group contests, festivals, honor choirs, Minnisingers, and other student singing ensembles.

Band All Year

Grade 9-12

Elective

Credit: 2

**Permission of instructor**

In band, students gain mastery over performance skills on their instrument and learn to collaborate and perform effectively as an ensemble. Students will perform music as a summative experience for their learning in the classroom, as a demonstration of their learning to the public, for professional feedback at music festivals, and as a service to the community. Students have the opportunity to perform a wide variety of literature for many different purposes, including music from classical and contemporary music composers, jazz artists, and contemporary popular music artists. Additionally, students in band explore new ways of connecting with music, responding to music, and creating music through personalized learning experiences.

Music Theory All Year

Grade 10-12

Elective

Credit: 1 (if taken as a semester class)/2 (if taken all year)

**Pre-requisite: Theory students will be enrolled in chorus or band for the year, enrollment by instructor permission only.**

This course is offered for **10th through 12th grade students who are serious about music**, especially those with goals of a major or minor in music at the college level. Teacher approval required. The course will include the study of basic theory fundamentals.

**INDUSTRIAL**

**COURSE LENGTH**

Intro to Engineering Design 1 semester

Engineering Design Technology 1 semester

Intro to Manufacturing 1 semester

Electricity 1 semester

Material Processing Tech All Year

Advanced Manufacturing 1 semester

Intro to Engineering Design 1 semester

Grades 9-12

Elective

Credit: 1

Introduction to Engineering Design is a fundamental drafting course that will provide the basic skills needed to pursue advanced courses in the program. Concepts covered include: reading and scaling techniques, geometric construction, orthographic views, dimensioning and sectional views. Computer-aided design (CAD) is also introduced. **This course is a pre-requisite Engineering Design and must be passed with a C or better. Maximum class size 18.**

Engineering Design Technology 1 semester

Grade 10-12

Elective

Credit: 1

**Pre-requisite: Intro to Engineering Design passed with a C or better**

EDT is the last course in a series of three in the design program. This is an advanced course for more in depth study of mechanical and working drawings. Concepts include: tolerance keyways, gears and cams, weld assemblies, piping components, assembly drawings and animation of components. Some manual along with computer drawing techniques will be used in this course. **Maximum class size 10**

Intro to Manufacturing 1 semester

Grade 9-12

Elective

Credit: 1

Manufacturing provides the study of materials and processes used in industry. Areas of study will include sheet, metal, oxyacetylene and arc welding, machining, foundry, forging and heat treating and tempering. Laboratory experiences will enhance classroom activities through hands-on-projects. A fee for some materials will be assessed to the student. **Maximum class size 15.**

Electricity 1 semester

Grade 10-12

Elective

Credit: 1

This course is designed for students interested in exploring a career in the electricity or electronics field. Areas of discussion will include electrical safety, electron theory, characteristics of resistors and circuit breakers, Ohm's law, and series, parallel, and combination circuits. The course of study will include a limited amount of house electrical systems. **Maximum class size 15**.

Material Processing Tech All Year

Grades 10-12

Elective

Credit: 2

**Pre-requisite: Intro to Engineering Design**

The material processing tech course is a yearlong course where students will study the following areas.  
1. Basic shop and safety practices (personal safety equipment, general safety and equipment practices, maintaining a safe work environment, and maintaining equipment).  
2. Design and Problem Solving (Utilizing design processes and problem solving strategies, working with and editing working drawings, material estimating).  
3. Development Skill Competencies (the use of rubric skill sheets are used to develop the following layout work, tool and technique selection, assembly and finishing techniques and materials).  
4. Careers and Society (exploration of woodworking careers and industry, lumbers impact on the environment)

Small project work is incorporated into the course to reinforce curriculum.

Advanced Manufacturing 1 semester

Grades 10-12

Elective

Credit: 1

**Pre-requisite: Intro to Manufacturing passed with a C or better.**

Advanced Manufacturing is designed for more in-depth study of the manufacturing processes. Areas of study will include design and layout of sheet metal patterns, experience with various welding technologies (Mig, Tig), machine tool processes, precision measurement, foundry pattern design and mold production and forging processes. A fee will be assessed to the student. **Maximum class size 12.**

**AGRICULTURE**

**COURSE LENGTH**

Ag Ed I – Intro to Agriculture All Year

Ag Ed II – Plant Science All Year

Ag Ed III - Ag Business/Food Science All Year

Veterinary Science I 1 semester

Veterinary Science II 1 semester

Ag Engineering I 1 semester

Ag Engineering II 1 semester

Ag Ed I – Intro to Agriculture All Year

Grades 9-**Other grades by permission of instructor**

Elective *This course may be taken as a science elective*

Credit: 2

This course is designed for 9th grade students. The course will include the following leadership topics: the FFA, Supervised Agricultural Experience, and parliamentary procedure. In addition, the course will focus on agriscience research concepts and general agricultural information.

Ag Ed II – Plant Science All Year

Grades 10-**Other grades by permission of instructor**

Elective *This course may be taken as a science elective*

Credit: 2

**Pre-requisite: Ag Ed I**

This course is designed for 10th grade students. The course will include the following topics: soil evaluation, basic plant science concepts, natural resources, and agriscience research. The leadership aspects of the FFA and Supervised Agricultural Experience will also be included.

Ag Ed III - Ag Business/Food Science All Year

Grades 11-12 – **Other grades by permission of instructor**

Elective

Credit: 2

**Pre-requisite: Ag Ed I or instructor approval**

This course is designed for 11th and 12th grade students. The course will include the following topics: Ag Sales and Marketing, Job Interview Skills, Basic Recordkeeping, and Food Science and Safety. The Ag Business portion will prepare students to seek future employment and expose them to job opportunities in Ag sales. For the Food Science portion, students will complete hands-on activities, projects, and problems that simulate actual concepts and situations found in the food science and safety industry, allowing students to build content knowledge and technical skills. Students will investigate areas of food science including food safety, food chemistry, food processing, food product development and marketing.

Veterinary Science I 1 semester

Grades 11-12 **Other grades by permission of instructor**

Elective *This course may be taken as a science elective*

Credit: 1

Students will explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, or industry personnel face in their respective careers. This course must be taken before taking Vet Science II.

Veterinary Science II 1 semester

Grades 11-12 Other grades by permission of instructor

Elective*This course may be used as a science credit*

Credit: 1

**Pre-requisite: Veterinary Science I**

Students will explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, or industry personnel face in their respective careers. This course can be taken any Spring semester during high school after completing Vet Science I. The coursework builds upon the concepts from Vet Science I.

Ag Engineering I 1 semester

Grades 10-12 – Other grades by permission of instructor

Elective *This course may be used as a science credit*

Credit:

Students will explore projects and problems similar to those that a mechanic, technician or engineer may face in their respective careers. In addition, students will understand specific connections between science, math, and technical skills applied to Supervised Agricultural Experiences and FFA components that play an important role developing an informed agricultural education student. Students will investigate, experiment, and learn about documenting a project, solving problems, and communicating their solutions to their peers and members of the professional community.

Ag Engineering II 1 semester

Grades 10-12 – Other grades by permission of instructor

Elective: *This course may be taken as a science elective*

Credit:

Students will explore projects and problems similar to those that a mechanic, technician or engineer may face in their respective careers. In addition, students will understand specific connections between science, math, and technical skills applied to Supervised Agricultural Experiences and FFA components that play an important role developing an informed agricultural education student. Students will investigate, experiment, and learn about documenting a project, solving problems, and communicating their solutions to their peers and members of the professional community.

**FAMILY AND CONSUMER SCIENCES**

**COURSE LENGTH**

FACS For You 1 semester

Interior Design 1 semester

Clothing Technology 1 semester

Parenting 1 semester

Early Childhood Development 1 semester

21st Century Living All Year

Food Choices 1 semester

Advanced Foods 1 semester

Introduction to Culinary 1 semester

FACS for You\* 1 semester

Grades: 9-11

Elective

Credit: 1

An introductory course designed to help students explore all the areas of family and consumer sciences and the student organization FCCLA, Family Career and Community Leaders of America. Areas of study include: personal development, communication skills, interior design, child development, families, clothing care, nutrition, and food preparation. Students will work individually and cooperatively in groups.

Interior Design 1 semester

Grades: 9-12

Elective

Credit: 1

Discover more about the historic homes of Red Oak. Learn basic knowledge about interior decoration and the selection of household furnishings and accessories. Computer technology will be used to arrange home furnishings. Students will be expected to develop a portfolio of individual projects.

Clothing Technology 1 semester

Grades: 9-12

Elective

Credit: 1

This elective course is designed to help students understand the role of clothing in their lives. First quarter will focus upon individual clothing selection to enhance personal appearance, fashion and design, and maintenance. The second quarter will focus upon the use of technology in the construction of sewing projects. Students will be required to prepare a portfolio of project samples and complete a sewing project of their choosing. Students are responsible to purchase all materials needed to complete their individual project.

Parenting\* 1 semester

Grades 10-12

Elective

Credit: 1

Parenting is an introductory course in childcare and child development. The course will focus upon three areas of parenting: caring for children, nurturing children, and guiding children. Students will be given be an opportunity to use the Baby-Think-It-Over (child care simulator).

Early Childhood Development 1 semester

Grades 10-12

Elective

Credit: 1

This course will help prepare students for a career in childcare or early childhood education. Students will develop a portfolio of activities for the toddler and preschool child. Opportunities will be given for student to plan activities for children in the preschool and primary classes.

*\*Completion of both Parenting and Children in Action with a “B-” or better will allow students to obtain advanced placement for high school coursework in ECE 103: Introduction to Early Childhood Education. Eligible students must compile a portfolio to receive a signed certificate for their student file. Contact counselor office and college office for additional information during your junior year or senior year before graduation*

21st Century Living 1 semester

Grades 10-12

Elective

Credit: 2

This course will help prepare the high school student for life after high school. Students will develop employability skills, study financial literacy and health literacy, use digital citizenship, and employ relationship skills. Students will work collaboratively with others using digital media to create projects. Students will be required to plan and participate in community service project within the school or community. Students will utilize goal-setting and decision-making skills to plan and implement their community service project.

Food Choices\*\* 1 semester

Grades: 10-12

Elective

Credit: 1

Learn basic food preparation and baking skills whiles studying the nutritive contributions of eggs, fruit, dairy, and quick breads to the diet. Students will work cooperatively in groups to prepare foods using safe food handling procedures.

Advanced Foods 1 semester

Grades: 10-12

Elective

Credit: 1

Prerequisite: Food Choices with a B- or better.

Learn advanced food preparation techniques while studying the nutritive contributions of grain, protein, and vegetable food groups. Students will explore ethnic foods, learn how to use spices, and will study healthy meal planning, food selection, and safe food preparation techniques. Students are expected to complete all classroom assignments, participate in labs and activities, and to work in groups cooperatively and collaboratively.

*\*\*Completion of Food Choices and Advanced Foods with a “B-” or better will allow students to receive advanced standing at Iowa area community colleges Hospitality/Culinary Arts programs with a signed certificate of completion for Nutrition competencies. Contact counselor office and college office for additional information during your junior year or senior year before graduation.*

Introduction to Culinary 1 semester

Grades: 11-12

Elective

Credit: 1

Prerequisite: Adv. Foods with a B- or better or instructor approval.

This course is intended for the student considering a career in culinary. Course will focus on techniques used in the food industry. Students will learn basic knife and garnishing skills, advanced baking skills, sandwiches, soup and sauces. Students will design their own restaurant including menu.

**PHYSICAL EDUCATION**

**COURSE LENGTH**

Physical Education 1 semester

Introduction to Weight Training 1 semester

Athletic Strength and Conditioning 1 semester

Aerobic/Fitness 1 semester

Health 1 1 semester (fall)

Health 2 1 semester (spring)

**New as of 2009-2010**

As per Iowa Administrative Code 12.5 (5)

f. Physical Education (One Unit)

A twelfth grade student may be excused from the PE requirement by the principal of the school in which the student is enrolled under one of the following circumstances:

1. The student is enrolled in a cooperative or work study, or any other educational program authorized by the school which requires the students absence from the school premises during the school day.
2. The student is enrolled in academic courses not otherwise available.
3. The student is involved in an organized and supervised athletic program which requires at least as much time of participation per week as 1/8 unit of physical education (25 minutes).

Students in grades nine through eleven may be excused from the physical education requirement in order to enroll in academic courses not otherwise available to the student due to the PE requirement. The student may be excused by the principal of the school in which the student is enrolled in consultation with the student’s counselor for up to one semester per year if the parent or guardian of the student requests in writing that the student be excused from the physical education requirement. At some time, the requesting student must be involved in an organized and supervised athletic program which requires at least as much time of participation as 1/8 of PE per week (25 minutes). The students’ parent or guardian must make this request in writing..

Physical Education 1 semester

Grade 9-12

Required

Credit: 1

Every student is required to enroll in physical education for one semester per year unless he or she presents a written excuse from a doctor. Student’s limitations and disabilities will be considered individually. If necessary, an adaptive program will be set up to meet those needs.

The grade a student earns will be figured into the student’s grade point average

Students will be allowed five (5) excused absences without penalty or required makeup work. Excused absences include doctor and dental appointments, illness, vacations, & college visits. School trips and athletic events are not required to be made up.

Students may make up a missed class during Seminar by walking or doing another physical activity for 30 minutes.

Unexcused absences, non-dressing and non-participation will not be allowed to be made up and will result in a score of zero (0) for that day. Not dressing out but participating may result in a reduction of 40% of the points for that day.

This is a participation class. Grades are based on participation, effort and behavior. Emphasis is placed on physical fitness, physical vigor, desirable health habits and safety.

Introduction to Weight Training 1 semester

Grade 9-12

Elective and can fulfill PE requirement

Credit: 1

Students enrolled in this course will be introduced to the techniques and exercises utilized in the Red Oak High School Strength & Conditioning program. His course provides an opportunity for students to fulfill their physical education credit requirements in a different setting other than a traditional physical education course and without the intimidation of other students who may have more experience in the strength training area. Grading will be based on your effort and participation.

The grade a student earns will be figured into the student’s grade point average. Under this policy the following rules would apply:

1. The only absences that will be excused are a medical excuse from a doctor or a school sponsored event.
2. Non-suits, non-participation, or any other absence may be made up during the designated times with the instructor. Students who take a non-suit or non-participation for the class period will be required to perform tasks around the weight room, which will be provided by the instructor.
3. **Grading:** Your grade will be based on participation, effort, & behavior.
   * effort + participation +behavior = 10 points(daily)

Athletic Strength & Performance 1 semester

Grade 9-12

Elective and can fulfill PE requirement

Credit: 1

**Prerequisites: Instructor Approval**

Students enrolled in this course will be participating in a high intensity strength and conditioning program designed to improve overall strength, physical conditioning, and agility. This course is not intended for students looking to fulfill their PE credit, but is for students who are looking to be challenged to become the best they can physically and mentally. Grading will be based on your effort, participation, and behavior.

The grade a student earns will be figured into the student’s grade point average. Under this policy the following rules will apply:

1. The only absences that will be excused are a medical excuse from a doctor or a school sponsored event.
2. Non-suits, non-participation, or any other absence may be made up during the designated times with the instructor. Students who take a non-suit or non-participation for the class period will be required to perform tasks around the weight room, which will be provided by the instructor.
3. **Grading:** Your grade will be based on participation, effort, and behavior.
   1. Effort + Participation + Behavior = 10 points (Daily)

Aerobic/Fitness 1 semester

Grade 9-12

Elective and can fulfill PE requirement

Credit: 1

Aerobics is an elective physical education course that can be used to fulfill the PE requirement. All students taking this class should be ready and willing to participate in aerobic exercises and strengthening/toning activities. Examples of units/equipment used are Turbo Jam, DanceX Fitness, Zumba, Hip Hop Abs, kickboxing, yoga, Rockin’ Body, Jazzercise, kettlebells, step aerobics, light dumbbells, resistance bands, walking etc. Short discussions about nutrition and healthy eating habits will encourage students to be aware of what they can do to help live a healthy lifestyle. Grading will be based on your effort, participation and dressing out. Students are assigned a letter grade A – F.

The grade a student earns will be figured into the student’s grade point average. Under this policy the following rules would apply:

1. Students will be allowed five absences without penalty or required make-up work. If a student has more than five absences they will receive a zero for each absence after the fifth one. These absences can be made up by walking during make-up seminar.
2. The only other absences that will be excused are school sponsored functions or a medical excuse from a doctor.
3. No-dresses, non-participation or unexcused absences may not be made up and will count against the student’s grade.

**Grading:** Your grade will be based on participation, effort, & behavior.

* + - effort + participation +behavior = 10 points (daily)

Health I Fall semester

Grade 9 -12

Elective

Credit: 1

This semester course will provide students with knowledge, skills and resources to help a healthy lifestyle. Topics covered will include health skills for the healthy consumer, physical activity, nutrition, personal care of the body and body systems, injury prevention and environmental health.

Health II Spring semester

Grade 9 -12

Elective

Credit: 1

This elective semester course focuses on the health issues facing today’s adolescent. Areas of study include mental health, promoting safe and healthy relationships, human growth and development, and disease prevention including STI’s and HIV/AIDS.

**OTHER**

**COURSE LENGTH**

IJAG 1 semester

MOC 1 semester

IJAG 1 semester

Grade 11-12

Elective

Credit: 1

**Intended to take through senior year**

Introduction to IJAG, a career exploration and preparation program, provides an educational, hands-on approach to exploring personal strengths and weaknesses. Students will work to build strengths in academic areas, time management; learn about personality and temperament, understand communication models for personal and career use, identify values and understand the relationship between personal actions and consequences that follow. Students will make connections to their career interests, abilities and aptitudes by determining their education and career goals. Students will be able to demonstrate core competency attainment.

MOC (this course is offered in Red Oak) 1 semester

Grade 12

Elective

Credit: 1

**Application required**

The MOC course is designed for students looking for real life job experience at a local business. The students are matched to a job that matches their interests and/or qualifications. The student meets with the MOC coordinator once a week for progress reports and information. The student is evaluated bi-weekly by their supervisor

**SWCC Concurrent Courses**

**COURSE LENGTH**

College Algebra III 1st semester

College Calculus I 1st semester

College Calculus II 2nd semester

College Statistics 2nd semester

College Composition I 1st semester

College Composition II 2nd semester

Introductory Biology 1st Semester

**SWCC Career Academy**

Health Occupations I 1st semester

Health Occupations II (CNA) 2nd semester

College Medical Terminology 2nd semester

Pharmacology Basics 2nd Semester

Welding Blueprint Reading 1st Semester

Introduction to Fabrication 1st Semester

Introduction to Oxyacetylene 2nd Semester

Welding, Cutting & Brazing

Introduction to Shielded Metal Arc Welding 2nd Semester

College Algebra III 1 semester

Grade 11-12 (or identified ELO student)

Elective

Credit: 1

**Pre-requisite: Algebra I & II, Geometry, and Trigonometry with a grade of C or better. Students must complete eligibility requirements as outlined under “Senior Year Plus Program” on page 8. All students must take the ACT and score a 19 or higher or take the COMPASS test in order to enroll in this course.**

Topics to include the real and complex number systems and Cartesian coordinate system. Additional concepts include polynomial, exponential, and logarithmic functions as well as matrix algebra, systems of equations, conic sections and sequences and series.

College Calculus I 1 semester

Grade: 11 – 12 (or identified ELO student)

Elective

Credit: 1

**Pre-requisite: College Algebra III & Trigonometry**

This course studies limits and continuity, derivatives of elementary functions, curve sketching, extreme values, rates of change, integration, and applications of integration.

College Calculus II 1 semester

Grade: 11 – 12 (or identified ELO student)

Elective

Credit: 1

**Pre-requisite: College Calculus I**

This course studies transcendental functions, techniques of integration, infinite series, conic sections, parameterized curves, and polar coordinates

College Statistics

Grade 11-12 (or identified ELO student)

Elective

Credit: 1

**Pre-requisite: Algebra I & II and Geometry with a grade of C or better. Students must complete eligibility requirements as outlined under “Senior Year Plus Program” on page 8. All students must take the ACT and score a 19 or higher or take the COMPASS test in order to enroll in this course.**

Statistics is a non-calculus based course designed to lay a foundation which will enable students to understand statistical thinking and apply basic statistical techniques. The qualitative and quantitative study in statistics will be useful in students pursuing majors in the wide variety of disciplines: psychology, sociology, business, economics, physical science, biological sciences, education, engineering, journalism and career and technical programs.

College English Composition I 1 semester

Grade 11-12 (or identified ELO student)

Elective

Credit: 1

**Pre-requisite: Language 9 and Language 10 with a grade of C+ or better. Students must complete eligibility requirements as outlined under “Senior Year Plus Program” on page 8. All students must take the ACT and score a 19 or higher or take the COMPASS test in order to enroll in this course.**

This is an intensive writing course, designed to develop skills in the use of language, clear thinking, critical reading, and effective writing within essay format. Special emphasis will be placed on development of content, clear organization, sentence and paragraph structure, and correctness in usage, grammar, and mechanics. This class will count towards the Senior English requirement.

College English Composition II 1 semester

Grade 11-12 (or identified ELO student)

Elective

Credit: 1

**Prerequisite: College English Composition I**

This course is intended to build upon the skills students develop in English Composition I. As such, the course assumes that students have a basic control of paragraphing, mechanics, grammar, and punctuation. The primary focus of the course shifts from the personal writing of Composition I to analytical, persuasive, and research writing. The course emphasizes critical thinking and clear, coherent development of thought. Using their research skills and the ability to organize the results of information gathering, students will be expected to analyze and present the results of their research in clear, organized, persuasive and interesting writing projects. This class will count towards the Senior English requirement.

Introductory Biology Semester

Grade 11-12

Elective

Credit: 1

An introduction to basic biological principles with emphasis on topics and issues of current interest and applications of biology related to the medical, ethical, and social dilemmas of humans integrating with the biosphere. The required laboratory will stress the process of science and exposure to living organisms. Topics to be considered are structure, function, metabolism of cells, genetics, impact of molecular biology and genetic engineering, plants, animals, diversity, and evolution. Three lecture hours, two lab hours.

Health Occupations I 1 semester

Grade 11-12

Elective

Credit: 2

**All students must take the ASSET/COMPASS test in order to enroll in this class**

This class is designed for students to learn the skills and characteristics expected for professional preparation and employability in various health careers. Provides an overview of the health industry, current trends, and issues. Study the work environment as it related to health and safety regulations. The student could be eligible for CPR certification.

Health Occupations II (CNA) 1 semester

Grade 11-12

Elective

Credit: 1

**Pre-requisite: Health Occupations I**

Upon completion of Health Careers II (CNA), students will be eligible to take certification testing in CNA I. This course meets the training requirement of the OBRA for aides working in nursing facilities and skilled nursing facilities. Students learn basic care giving skills and concepts to provide safe, effective resident care.

**There is a fee to take the CNA test that the student will have to pay.**

College Medical Terminology 1 semester

Grade 11-12

Elective

Credit: 1

**Pre-requisite: Health Occupations I**

Designed to help logically understand medical terms. Basic prefixes, suffixes, and root words are emphasized as a method of acquiring and retaining knowledge. Exercises stressing the spelling, pronunciation, and usage of medical terms are included.

Pharmacology Basics Semester

Grade 11-12

Elective

Credit: 1

**Pre-requisite: Health Occupations I**

Recommended for pre-nursing students. This course enables the student to learn basic principles of drug therapy, including related terminology and legislation, drug properties, and the care provider’s role and responsibility for the patient receiving drug therapy

Welding Blueprint Reading Semester

Grade 11-12

Elective

Credit: 1

A course concerned with basic fundamentals of interpreting drafting as applied in the welding trade. Emphasis is placed on developing the ability to interpret blueprints from which the welder must work. Special emphasis is placed on lines, views, material descriptions, welding symbols and terms.

Introduction to Fabrication Semester

Grade 11-12

Elective

Credit: 1

This course develops the skills needed in a manufacturing atmosphere such as tool usage, layout methods and material estimating.

Introduction to Oxyacetylene Welding, Cutting and Brazing Semester

Grade 11-12

Elective

Credit: 1

This course provides a thorough technical understanding of metallurgy, oxyacetylene welding, flame cutting and brazing fundamentals and develops skills necessary to produce high quality fillet and square groove welds in 3/16” plate. Students will develop understanding of weld hazards and safety procedures throughout the course.

Introduction to Shielded Metal Arc Welding (SMAW) Semester

Grade 11-12

Elective

Credit: 1

This course provides a thorough technical understanding of shielded metal arc welding fundamentals, weld hazards and weld safety, power sources and electrode selection. Provides ample time and direction to develop skills necessary to make high quality welds on 16 gauge to 1/4” mild steel in all positions.

**NCAA Initial-Eligibility Clearinghouse**

It is best for your son or daughter to register with the clearinghouse after completion of his or her junior year.

You may check the clearinghouse Web site at [www.clearinghouse.net](http://www.clearinghouse.net) to make sure your son or daughter is taking approved courses.

Online registration: The preferred method is to register online. Go online to [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net). **Select Prospective Student-Athletes** and click on **Domestic Student Release Form** or **Foreign Student Release** **Form**. Complete the SRF form online, and include your credit or debit card information to pay the fee. Then follow instructions to complete the transaction. Print both Copy 1 and Copy 2 of the transcript release form, sign them and give both to your high school counselor. You can print out additional copies of the completed form for your records.

We strongly suggest that prospective student-athletes at your school who plan to participate in intercollegiate Athletics at an NCAA Division I or II institution use this online registration, rather than completing the paper form.

If a prospective student-athlete wishes to pay by check or money order, the student must complete the paper form. You may access additional forms by visiting the NCAA Web site at [www.ncaa.org](http://www.ncaa.org). From the home page, pull down the Parent/Prospect page from the Custom Home Pages pull-down menu. From there, click on “Guide for the College-Bound Student-Athlete”.

**\*\*\* NCAA requires that your ACT and/or SAT scores be sent directly to them, use the code 9999 on the test registration form.**