

WEST CENTRAL VALLEY HIGH SCHOOL

**COURSE GUIDE
2022-2023**



SUBJECT LOAD 2022-2023

All high school students will be required to carry at least 7 classes each semester.

GRADUATION REQUIREMENTS

A student who completes one semester of a course, with a passing grade, would receive 1 credit. Therefore, at least 7 credits should have been earned at the end of any given semester and at least 14 credits at the completion of a full school year. **Fifty-one (51) credits** are required for high school graduation.

Requirements are:

8 Credits of English, including

English 1(2 credits), **English 2**, **Speech 10**, **Lit. Elective** (Dramatic Lit., Contemporary Lit., or Intro. To Lit.), **Comp. Elective** (English 3, Comp.1, or Comp. 2) and **two credits of electives**

6 Credits of Science, including

Physical Science (2 credits)
Biological (2 credits)

6 Credits of Math

6 Credits of any math course offered

6 Credits of Social Studies

American History (2 credits),
American Government, Economics, and **two electives**

4 Credits of Physical Education

Phys. Ed. And/or Physical Conditioning
(One credit per year)

****1 Credit of Computers****

Computers 1 (Required for 10th, 11th, and 12th grade only)

MID-TERM GRADUATION

Mid-term graduation is allowed for those who have parental and Board of Education consent and have met all graduation requirements. Students must apply at least one semester prior to the end of senior year.

GRADE REPORTING

Grade reports for all courses are issued at the end of each quarter (nine weeks). However, the grade received at the end of each semester is the one entered on a student's permanent record. Grade points are figured only on academic courses and do not include Physical Education or Physical Conditioning.

COURSE CHANGES

Students who wish to make a schedule change must make this transaction through the counselor. **The third school day of a semester is the last day a student may be considered for changing courses in his/her class schedule.** Usually, only conflicts will be changed. Class schedules are made up at the beginning of each year for the whole year and are changed only on special circumstances at the semester. After the third day, all courses will be carried for the rest of the semester.

Dual Credit

The following courses are offered at West Central Valley for DMACC college credit. Sophomores, Juniors and Seniors may enroll in these courses for dual credit. The courses are taught by WCV instructors certified by DMACC. Through a partnership with WCV and DMACC, the cost of the course is covered by the district at no cost to the high school student.

DMACC COURSE	DMACC CREDIT	HIGH SCHOOL COURSE
ENG 105: Composition 1	3	Composition I
ENG 106: Composition 2	3	Composition II
LIT 101: Intro to Literature	3	Intro. To Literature
HUM 120: Intro to Film	3	Intro to Film
AGS 114: Survey of the Animal Industry	3	Adv. Animal Science
AGB 331: Entrepreneurship in Agriculture	3	Agricultural Business

AGA 114: Intro to Agronomy	3	Agronomy
BUS148: Small Business Management	3	Small Business Management
BCA212: Intro. Computer Business Applications	3	Intro. Computer Business Applications

Advanced Placement

Advanced Placement (AP) is a program of college-level courses and exams that give motivated students the opportunity to earn credit for college while they are still in high school. The AP Program is divided into 2 components: a course of study and a nationally coordinated exam.

AP courses cover the breadth of information, skills and assignments in corresponding collegiate courses. AP courses provide a more intense and rigorous academic experience. Because of this, AP courses carry weighted grades. These grades are on a 5.0, not a 4.0 grading scale, for example:

A= 5.0 B= 4.0 C=3.0 D=2.0

The AP exams are administered during a 2-week period in early May. Each subject exam is structured differently according to the curriculum. However, all exams include multiple choice and free-response sections. All AP exams are scored on a 1-5 scale with a 5 being the highest. Each college's policy is different, but most require a score of 3 or 4 to receive college credit.

WCV AP Course	Accepted Scores at DMACC	Course number and Credit Hours Awarded from DMACC
AP Calculus	3-5	MAT217 5 credits
AP Chemistry	3-5	Core/Sciences, no lab credit 3 credits
AP U.S. History	3-5	HIS150 4 credits

WEST CENTRAL VALLEY GRADING SCALE

A (94-100) = 4.0

A- (90-93) = 3.67

B+ (87-89) = 3.33

B (83-86) = 3.00

B- (80-82) = 2.67

C+ (77-79) = 2.33

C (73-76) = 2.0

C- (70-72) = 1.67

D+ (67-69) = 1.33

D (63-66) = 1.00

D- (60-62) = 0.67

F (0-59) = 0

ENGLISH DEPARTMENT

#1 ENGLISH 1 (Year, Freshman requirement) This course includes the study of literature, grammar, mechanics, and basic composition. Students concentrate on the skills of grammar, usage, mechanics, and vocabulary, as employed in formal writing. Students are introduced to various literary genres including the short story, the novel, drama, and poetry. Emphasis is placed on the elements of literature and literary devices often reflected in each genre. Major works include *Romeo and Juliet* and *To Kill A Mockingbird*.

6 ADVANCED ENGLISH 1 (Year, Freshman requirement) This course is offered as an alternative to English 1 and is available to upper-level freshmen students who are proficient in comprehension and mechanics. This course includes the study of literature, and basic composition. Students concentrate on the skills of formal and informal writing including but not limited to vocabulary development and complex sentence structure. Students are introduced to various literary genres including the short story, the novel, drama, and poetry. Emphasis is placed on the elements of literature and literary devices often reflected in each genre. Major works include *Taming of the Shrew* and *To Kill A Mockingbird*.

#4 ENGLISH 2 (1st Semester, Sophomore requirement) This class continues from where English 1 left off. In this class, the writing process will be stressed, and students will practice the basic skills needed to become competent writers in society. Among the skills to be taught include paragraph writing, 3-5 paragraph writing, sentence structure, making one's writing interesting, and appropriate use of words in writing.

9 ADVANCED ENGLISH 2 (1st Semester, Sophomore requirement) This class continues from where Advanced English 1 finished. Students will be expected to use their critical thinking skills to delve deeper into selections of literature as well

as develop essays with more detailed expression and focus. Possible content in the class may include two Shakespearean plays (instead of one) and students may write a narrative essay. Other content could include learning the basics of how a debate works.

#3 SPEECH 10 (2nd Semester, Sophomore requirement) Speech 10 is a required semester class for all sophomores. It is designed to teach and practice the basic skills of public speaking. Since this is a speech class, most (but not all) of the grades will come from the speeches and presentations that are to be given in **front of the class**. Written work will focus on researching, organizing, and the writing of speeches, in addition to tests, quizzes, and other necessary assignments.

#11 ENGLISH 3 (Semester 1 or 2, 11-12 Elective) This course is designed for students who would like to develop their grammar skills. Course content will include a review of mechanics and usage. We will review parts of speech and analyze sentences. Spelling and vocabulary will be developed. Students will practice writing business letters and resumes. Students will compose a comparison and contrast essay.

#10 COMPOSITION I (Semester 1 or 2, 11-12 Elective) This course will give students the opportunity to experiment with the types of writing they will be expected to know for college. The students will concentrate on developing their writing processes for essays. Course content will include a review of mechanics and usage. Spelling and vocabulary will be developed. Students will learn the writing process: inventive writing, outlining, and drafting. MLA and APA formatting will be studied and applied to research papers. Students will compose essays of various genres, which include but are not limited to the following: autobiographical, observational, reflective, expository, and argumentative. Current event issues will be analyzed as well. **Successful completion of this course will earn three credits for the DMACC course, ENG 105, Composition I.**

#12 COMPOSITION II (Semester 1 or 2, 12th Elective) Required prerequisite: successful completion of Composition I. A grade of C- or higher in Composition I must be earned in order to earn DMACC credit in this course. This class is designed as an elective for students who plan to attend college. The goal of this class is to provide the college bound student critical reasoning skills. Composition II is a continuation of Composition I. Vocabulary will continue to be developed. Current event issues will be analyzed. Students will analyze, synthesize, and evaluate texts. Effective academic research is also emphasized. MLA and APA formatting will be studied and applied to research papers. Assignments may include expository and persuasive writing appropriate to academic and professional contexts. Students will write and revise three or more essays, including a research-based argument, and produce a minimum of 20 pages of prose. Academic integrity is a key expectation of this course. **Successful completion of this course will earn three credits for the DMACC course, ENG 106, Composition II.**

5 INTRODUCTION TO LITERATURE (Semester 1 or 2, 11-12 Elective) Suggested to be taken opposite a composition elective. During this course, students will study American authors and their literature. We will study an array of authors from Irving to Hawthorne. Students will examine the Romantic and the Transcendental movements (writings) as well as

other styles, such as Realism, Naturalism, and Modernism. Students will learn and apply different methods of literary criticism (i.e., structuralism, feminism, psychoanalysis, etc.). Students will need to be competent readers and writers, and they will need to be willing to work on projects (papers) related to the various works. **Successful completion of this course will earn three credits for the DMACC course, LIT 101, Introduction to Literature.**

#7 CONTEMPORARY LITERATURE (Semester 1 or 2, 11-12 Elective) This class is for students who like to read! Students will read and analyze various short stories, poems, and books. Students will learn key literature terms and be able to recognize them in the readings. Assessment may include discussion questions, small group activities, quizzes, tests, and so forth. Contemporary readings from the 20th to the 21st century will be analyzed in the course and the main literary movements / styles will be explored as well.

#12 CREATIVE WRITING (Semester 1 or 2, 11-12 Elective) This class will be structured as a writer's workshop in which students will have an opportunity to experiment with many different creative writing skills. Students will work towards the development of their own writing processes through developing, drafting, revising, editing, and evaluating their own work. Students will experiment with many different creative writing skills and styles such as poetry, song lyrics, short stories, comic books, and science fiction.

#15 COMMUNICATION AROUND THE WORLD (Semester 1 or 2, 11-12 Elective) **Prerequisite: Passing grade in Speech 10.** In this class, we will look at how different cultures communicate with each other and how this may affect our interactions with people from different countries and backgrounds. We will research information on speaking styles, nonverbal communication and body language. We will look at how gender affects communication with others as well as break down the stereotypes that different cultures have attached to them. This is a speech class and speeches will be given as a part of the grade.

#16 DRAMA (Semester 1 or 2, 9-12 Elective) Drama is an elective course for grades 9-12. In this course, the student will study theater history, the principles of drama, types and styles of theater, improvisation, pantomime, jobs in the theater, and will possibly take part in a one-act play. If time permits, the students will also study makeup, lighting, and costuming. This is not solely a performance class. Students will be doing a variety of assignments that involve written work as well as oral presentations.

#95 CLASSIC LITERATURE FOR TEENS (Semester 1 or 2, 9-12 Elective) This class is designed to provide a study of classic literary works for freshmen and sophomores. Areas of study will include myths, legends, folklore, a novel, drama, and short stories. Greek mythology, the King Arthur legends, and Heroes of long ago including "Beowulf", "The Seafarer", and "Gilgamesh" will be studied. A poetry unit over Shakespeare's sonnets will be covered, and a video study of *Jane Eyre* will be included. The novel study is either *Life of Pi* or *Frankenstein*. There will be a variety of written works, including essays and reflections over the various works, as well as quizzes, vocabulary, and participation. Other various literary activities will be included in the evaluation process.

#8 INTRODUCTION TO FILM (Semester 1 or 2, 11-12 Elective) This course acquaints students to the art of film. Students will learn about acting, plot, cinematography, editing, special effects, etc. Students will view, discuss and critically analyze several films from different genres (Hitchcock films, like *Psycho*; horror films, like *The Ring & Jaws*; action and adventure films, like *Raiders of the Lost Ark*; and comedies, like *Ferris Bueller's Day Off*). Students will practice effective reading, writing, and analytical techniques. This course is designed for students who plan to continue their formal education after high school. **Successful completion of this course will earn three credits for the DMACC course, HUM 120, Introduction to Film.**

#150 MULTICULTURAL LITERATURE (Semester 1 or 2, 11-12 Elective) This class will focus on different cultural and historic genres of literature. The class will look at historical timelines and the literature that was written. The class will read various works including short stories, poetry, spirituals, and novels by African American authors, women authors, and different ethnicities that make up the United States. Students will read the dramas *Their Eyes Were Watching God* and *Raisin in the Sun*. There will be a variety of written assignments including essays, personal reflections, and response situations. Other areas of evaluation will include class participation, quizzes, tests, and various literary and vocabulary studies.

#98 DRAMATIC LITERATURE - (Semester 1 or 2, 11-12 Elective) - Dramatic Literature, designed for those interested in reading plays, is a survey course of dramatic literature from the beginnings of drama during Greek Classical Era through contemporary readings. Students will study plays from each era of drama, relating them both to the plays' historical periods and to life today. The universality of the plays will be explored.

#14 BASIC DEBATE (Semester 1 or 2, 11-12 Elective) **Prerequisite: Completion of Speech 10 with a grade of C or higher.** This class is for those people that would like to learn how to argue and present arguments with research. Good writing and speaking skills are required as we will be doing A LOT of research on controversial topics and learning the basics of how to take part in two-man policy debate, Lincoln Douglas Debate, Extemporaneous Speaking, and Spontaneous Speaking. If time allows, we may also take part in a public forum.

MATHEMATICS DEPARTMENT

#18 ALGEBRA 1A: (Year) **(Prerequisite Pre-Algebra)** This course will teach the first semester of Algebra I at a slower pace. (TI-30XS multiview calculator is required)

#19 ALGEBRA 1B: (Year) **(Prerequisite Algebra IA)** This course will teach the second semester of Algebra I at a slower pace. (TI-30XS multiview calculator is required)

Successful completion of Algebra IA and IB will count towards math requirements for a 4-year college.

#22 ALGEBRA I (Year) This course contains the standard topics of Algebra 1. Topics covered are: expressions, equations, functions, inequalities. (TI-30XS multiview calculator is required)

#23 GEOMETRY (Year) (**Prerequisite is successful completion of Algebra 1 or Algebra 1A and 1B**) Topics covered in this course are: Tools for Geometry, Reasoning and Proof, Parallel and Perpendicular Lines, Congruent Triangles, Relationships in Triangles, Quadrilaterals, Proportions and Similarity, Right Triangles and Trigonometry, Transformations and Symmetry, Circles, Areas of Polygons and Circles, Surface area and Volume. (TI-30XS multiview calculator is required)

78 GEOMETRY CONCEPTS (Year) (**Prerequisite: Successful completion of an Algebra class**) This course teaches students the core concepts taught in Geometry class. Topics covered in this course are: Tools for Geometry, Reasoning and Proof, Parallel and Perpendicular Lines, Congruent Triangles, Relationships in Triangles, Quadrilaterals, Proportions and Similarity, Right Triangles and Trigonometry, Transformations and Symmetry, Circles, Areas of Polygons and Circles, Surface area and Volume. (TI-30XS multiview calculator is required) **This course does not meet four-year college admission requirements.**

#24 ALGEBRA II: (Year) **Prerequisites are successful completion of Algebra 1 (or Algebra 1A and 1B) and Geometry.** This course is designed to complete the automation of the fundamental skills of algebra. Covered topics include systems of linear relations and functions, systems of equations and inequalities, matrices, polynomial and radical equations and inequalities, quadratic functions and inequalities, and polynomial functions. (TI-30XS multiview calculator is required)

#17 PRE-CALCULUS/TRIGONOMETRY (Year) (**Prerequisite is successful completion of Algebra II**) This course will cover topics to expand on their knowledge in Algebra I and II and Geometry. This will include topics of matrices, limits, derivatives and trigonometric functions, identities, and equations. (TI-30XS multiview calculators are required)

324 AP CALCULUS – (Year, **Prerequisite is successful completion of Pre-Calculus**) AP Calculus is designed for students wishing to learn more about engineering, mathematics, the physical and life sciences, and economics. Some of the topics covered include The Cartesian Plane and Functions, Limits, and Their Properties, Differentiation, Applications of Differentiation, Integration, and Applications of Integration. (AP description on page 4.)

SCIENCE DEPARTMENT

#31 PHYSICAL SCIENCE (Year, Freshman requirement) An introductory course into basic chemistry, physics and earth sciences. Students will study properties of matter, simple chemical reactions, the laws of motion, energy and earth's physical processes. The inquiry system will be used, and hands-on laboratories will be included. Computer applications will

be integrated with regular classroom work and laboratories. Knowledge and application of the scientific method will be emphasized.

#32 BIOLOGY (Year, Sophomore requirement) Biology is a course that is concerned with the study of living organisms and their interactions with each other and their environments. Students will study the structure and function of the cell; the molecular basis of heredity; study biological evolution; study the interdependence of organisms; study matter, energy and organization in living systems and the behavior of organisms.

#34 CHEMISTRY (Year, 11-12 Elective) This is a survey course of introductory principles of chemistry. The curriculum is designed to cover all the chemistry requirements of NGSS (Next Generation Science Standards. Topics covered will include atomic structure, mechanisms of chemical bonding, naming and writing of chemical formulas, writing and balancing chemical equations, stoichiometry, energy of chemical reactions, properties of acids and bases, reaction rates and equilibrium, properties of solutions, basic organic chemistry and nuclear reactions. This course includes many lab activities, and students will be working with lab equipment and chemicals. Prerequisites include physical science, and at a minimum should be enrolled in Algebra, if not already completed the class.

#39 ADVANCED BIOLOGY (Year, 11-12 Elective) This course is intended to cover those areas missed in Biology. In the first semester, students will be studying bacteria, viruses, protists and fungi followed by investigation into the Chemistry of Biology including biomolecules, and the reactions for photosynthesis & cellular respiration. First semester ends with investigations into Biotechnology The second semester covers aspects of Forensic Science, crime scene investigations, trace evidence analysis of, hair, fingerprints, blood spatter, entomology and DNA analysis. Lab work will be a vital part of this class along with some possible research projects. This will not be a college-prep class.

#35 ANATOMY & PHYSIOLOGY (Year, 11-12 Elective) This college prep course is geared toward an in-depth study of human anatomy and physiology. The major systems of the human body will be studied, and the student will gain an understanding of a system's structure and function. Various organs and organisms will be dissected as a means of comparison. The student must have had two successful years of science, including biology. This course is recommended for those students interested in a biology related career.

#36 PHYSICS (Year, 11-12 Elective) **Prerequisites: Algebra II and Geometry; enrollment in Pre-Calc/Trig recommended.** This is an elective course designed to teach the principles of basic physics. While emphasis will be given to the basics of concepts, good skill in mathematics is a plus. Topics to be taught include motion and forces, Newton's Laws, principles of vectors, energy, work and power, circuits, simple machines, momentum and impulse, circular motion and centripetal force, gravity, and (time allowing) basic electrical principles and an introduction to modern physics and electromagnetic energy. Labs and practical applications will be utilized as much as possible.

#39 ZOOLOGY I (Semester 1 or 2; 9-12 Elective) Zoology I is a one semester course that focuses on invertebrate animal biology. This course will cover the study of animals that includes characteristics & classification, growth and development, and comparative anatomy. We will also study the habitat, niche, and value to mankind of various animals. Participation in dissection laboratories is a requirement for this course.

#109 ZOOLOGY II (Semester 1 or 2; 9-12 Elective) **Completion of Zoology I is a prerequisite for this course.** Zoology II is a one semester course that focuses on vertebrate animal biology. This course will cover the study of animals that includes characteristics & classification, growth and development, and comparative anatomy. We will also study the habitat, niche, and value to mankind of various animals. Participation in dissection laboratories is a requirement for this course.

29 ASTRONOMY (Semester 1 or 2, 9-12 Elective) This is an elective course designed to give an overview of the principles of astronomy and astronomical research. Topics to be covered will include history of astronomy, earth, moon and sun system, tools of astronomical research, the electromagnetic spectrum and properties of light, the solar system and its formation, basic constellations, the properties and life cycle of stars, galaxies and their formation, and the history and future of space travel. Efforts will be made to give students night-time stargazing opportunities, as well as possible field trips to Ashton and Drake observatories or the Science Center of Iowa.

#30 ENVIRONMENTAL SCIENCE (Semester 1 or 2, 9-12 Elective) This science course covers the earth as a living system along with the study of air water and land. The impacts of human activities on the planet Earth are discussed. Concepts addressed include: earth systems, ecosystems, populations, sources and effects of pollution, energy, and resources. This class may include outdoor activities (i.e.-field trips, etc.)

325 AP CHEMISTRY – (Year) **Prerequisite: Completion of Chemistry with an A or B and Algebra II.** The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics and equilibrium. The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year.

SOCIAL STUDIES DEPARTMENT

#45 INTRODUCTION TO SOCIAL STUDIES (Semester 1 or 2, 9-10 Elective) Civics will introduce students to the basic structure and functions of local, state, and federal levels of government. Students will learn about political science and acquire the knowledge of political systems necessary for developing individual civic responsibility by studying the

history and contemporary uses of power, authority, and governance. In addition, this class will focus on economics, personal finance, the American economy, business in America and our student's role within our economy and government.

#47 WORLD GEOGRAPHY: (Semester 1 or 2, 9-12 Elective) This class, a foundation in the study of geography, studies the physical character of the earth. Students will learn about climate issues, weather patterns, landforms, vegetation and water usage throughout the Western and Eastern hemispheres.

#40 WORLD HISTORY 1 (Semester 1, 9-12 Elective) This course begins at the dawn of humanity and describes how humans transitioned from a hunter gatherer lifestyle to that associated with civilization. This class will cover the following civilizations: Ancient Egypt, Ancient Mesopotamia, Ancient India, Ancient China, and Ancient Greece.

#41 WORLD HISTORY 2(Semester 2, 9-12 Elective) This course begins with Ancient Rome and Medieval Europe and makes its way through the Renaissance Industrial and Scientific Revolutions, and the Age of Exploration.

#42 AMERICAN HISTORY (Year, Junior requirement) The first semester is a survey of early American History with emphasis on the Revolutionary Period, establishment of our government and the Civil War. The second semester deals with causes of wars with emphasis on World War I, World War II, Vietnam, and the background to current problems.

#43 AMERICAN GOVERNMENT (Semester 1 or 2, 11-12 year requirement) American Government will introduce students to the basic structure and functions of the local, state, and federal levels of governments. Students will learn about political science and acquire the knowledge of political systems necessary for developing individual civic responsibility by studying the history and contemporary uses of power, authority, and governance.

#44 PSYCHOLOGY (Semester 1 or 2, 9-12 Elective) Psychology is the study of human behavior. All facets of learned and inborn behavior will be related to a student's daily interaction with others in our society. Topics include abnormal psychology, learning, motivation, perception, personality, and human interaction.

#46 ECONOMICS (Semester 1 or 2, Required 10th-12th) Economics will provide students a survey of the characteristics of various economic systems. In addition, students will learn about saving, investing, credit and debt, insurance or risk management, and income and careers. Students will gain knowledge in both macro-level economics, and personal finance.

#49 SOCIOLOGY (Semester 1 or 2, 9-12 Elective) This course is concerned with the study of the ways in which people interact with one another. It involves learning about relationships within groups, such as peer groups; the relationships in social institutions, such as the family; and the organization of societies. Sociology also deals with vital issues and social problems such as juvenile delinquency, death and dying. Sociology is a science in which man seeks to better understand himself and his relationships with others.

329 AP U.S. HISTORY (Year) (11th Grade) This class provides a more in depth look into U.S. history. It is the study of cultural, economic, political, and social developments that have shaped the United States from 1491 to the present. You will analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments. **AP description on page 4. Juniors would take AP U.S. History in place of regular American History.**

FOREIGN LANGUAGE DEPARTMENT

#55 SPANISH I (Year, Elective) This course works toward Novice-Mid proficiency in the language. Students work on the four language learning competencies: interpersonal communication, interpretive communication, presentational communication, and culture. This year focuses on basic conversational and comprehension skills as well as beginning vocabulary. Students will be introduced to the histories surrounding the Spanish language and cultures. Students will compare practices of Spanish-speaking people to their own.

#56 SPANISH II (Year, Elective) This course works toward Novice-High proficiency in the language. Students work on the four language learning competencies: interpersonal communication, interpretive communication, presentational communication, and culture. Second year Spanish focuses on building understanding and usage of vocabulary, grammar, and verb-tenses. Students produce the Spanish language every class period. This course will also allow students to analyze and discuss various customs and current events in Spanish-speaking countries.

#57 SPANISH III (Year, Elective) This course works toward the Intermediate-Low proficiency in the language. Students work on the four language learning competencies: interpersonal communication, interpretive communication, presentational communication, and culture. Students produce the Spanish language every class period. Students begin to master oral and written communication, as well as reading and listening comprehension in the language. Students are introduced to the histories and politics of Spanish-speaking countries around the world.

#58 SPANISH IV (Year, Elective) This course works toward the Intermediate-Mid proficiency for college-entry readiness in the language. Students work on the four language learning competencies: interpersonal communication, interpretive communication, presentational communication, and culture. Students produce Spanish every class period. Students work on mastery of advanced reading, writing, listening, and speaking proficiency with use of authentic media and resources.

***Students must pass Semester 1 to continue to Semester 2 in Spanish classes.**

ART DEPARTMENT

#60 INTRODUCTION TO DESIGN (Year, 9-12 Elective) **Suggested entry level course for other Art Classes.**

Introduction to art is a year-long elective. This introductory level course involves the interpretation and application of the basic principles of design to a variety of problem-solving visual exercises. Emphasis will be learning about the types of things that help to make successful quality artwork including diverse cultural and historical experiences. Through instruction in this course, the student will be introduced to several art disciplines and mediums. Art fees for supplies will be \$16.00 per year.

#61 PAINTING (Semester 1 or 2, 10-12 Elective) This is a comprehensive, in-depth study of the principles of composition, value, pattern, and color theories. Emphasis is placed on the creative process from concept to finished art. Through instruction in this course, the student will use tempera, oil, watercolor, acrylic, oil pastels and collage mediums. Class exercises, assignments, and finished work undergo intensified critiques. Still-life, landscape, portrait, and abstraction will be studied. Art history will be used to identify specific techniques or theory. This class requires teacher approval. A student taking this class should have completed all previous art classes in an above satisfactory manner (maintaining a C average). Your level of interest in art should be high. Art fees for supplies will be \$8.00.

#62 DRAWING (Semester 1 or 2, 11-12 Elective) Through instruction in this course, students will work on units in life drawing, portraits, landscape, and abstraction. The class will experience many mediums such as charcoal, pencil, colored pencil, pastels, oil pastels, ink and collage. The students will be exposed to a variety of art history to include contemporary artists and their cultural backgrounds as it relates to the task and mediums we are using. Art fees for supplies will be \$8.00.

#63 CERAMICS (Semester 1 or 2, 10-12 Elective) Ceramics is the study of clay as a medium for 3-dimensional art. Students will learn the physical properties and characteristics of clay as well as principles of good design in pottery. Techniques of hand building, wheel throwing, glazing and firing will be met. There will be an emphasis on sculptural form and individual project development. This class requires teacher approval. A student taking this class should have completed all previous art classes in an above satisfactory manner (maintaining a C average). Your level of interest in art should be high. Art fees for supplies will be \$8.00.

#64 THREE-DIMENSIONAL DESIGN - Sculpture (Semester 1 or 2, 10-12 Elective) Students are exposed to a three-dimensional format and an overview of processes, tools, and materials used in sculpture. Various techniques include modeling, carving, and construction. The use of clay, plaster, wood, wax, wire, and metals will be explored. This class will require the student to bring some materials from home or outside of class. This class requires the teacher's approval. A student taking this class should have completed all previous art classes in a satisfactory manner, by maintaining a C average or better. You should have a high level of interest in three-dimensional work. Art fees for supplies will be \$8.00 per semester.

#65 ART HISTORY (Semester 1 or 2, 9-12 Elective) Will take an inquisitive look at the major movements in art history, both known and unknown artist, and famous pieces of art. We will be doing this study by viewing slides, movies, and books. Students will be discussing all aspects of art and how it pertains to different cultures, and their own thoughts. In taking this class you should be prepared to participate in class discussions, write papers, and do projects in relation to discussed topics. Those students that are taking this class should have a high interest in art, not a high knowledge of art!

#66 MIXED MEDIA (Semester 1 or 2, 10-12 Elective) Through instruction in this course, the student will be introduced to many mixed media examples. We will explore the use of many different media in creating art projects. Students will choose from these to make a larger project and are encouraged to experiment with conceptual, environmental and contemporary works using both traditional and non-traditional methods and techniques. The main goals of this class are to help students develop their talent in order to maintain a life-long interest in art as a hobby, supplementary income, or as an art-oriented career. This class requires teacher approval. A student taking this class should have completed all previous art classes in an above satisfactory manner (maintaining a C average). Your level of interest in art should be high. Art fees for supplies will be \$8.00.

#67 COMMERCIAL DESIGN (Semester 1 or 2, 9-12 Elective) The course will offer students the opportunity to understand what commercial design is and learn the practical applications of artistic skills. Students will analyze original solutions for artwork, apply a variety of techniques and media in creating work and be aware of current and historical advertising art. Students will work on two-dimensional units in lettering, illustration, and product design. There will be an emphasis on using original ideas to create artwork that may be used in practical assignments, such as advertising school activities. A student taking this class should have a genuine interest in commercial design and have completed all previous art classes in a satisfactory manner, maintaining a C average. This class requires teacher approval. Art fees for supplies will be \$8.00 per semester. Students will also be taught on how to use different computer applications for designing strong designs. Prior knowledge of basic computer functions will be helpful.

#68 PHOTOGRAPHY (Semester 1 or 2, 11-12 Elective. Students will be exposed to many forms of picture taking and take a look into the history of photography. We will be working with digital cameras, shoebox cameras, Polaroid, and limited 35 mm use. Students will also be working on photography history and research. In taking this class you should be prepared to be willing to **work outside of class** and **be able to meet the due date**. Students must bring their own camera; most cell phones will have a nice enough camera too. If you are using your cell phones, be aware that you must be able to turn in your pictures. Please be aware we will NOT be developing our own film or prints due to lack of an enlarger and suitable darkroom.

69 ADVANCED MEDIA (Semester 1 or 2, 11-12 Elective-**Must have teacher approval**). Advanced media is a course for those students that take art seriously. You must have taken at least 3 different art courses before. As an advanced art student, you will be setting your own projects. We will be completing five or six projects depending on the intensity and

depth of your projects. This is a course to experiment, discover, and gain a greater understanding of media that you enjoy. You **MUST** be able to set a schedule and work at it on your own. Normal art fees apply.

ADVANCED ART (Semester, 12th Elective-**Teacher approval required**) Strongly encouraged to take multiple other art classes. This course is intended for those that are highly interested in art and are self motivated. You can choose which media you work with, and can change as you see fit. You will determine your own projects with approval by the classroom teacher. Normal art fees apply.

MUSIC DEPARTMENT

#70 CHORUS (Year, 9-12 Elective) Students participate in Treble/Bass Mixed Choir. Through participation in these ensembles, the student will be able to develop his/her voice as a musical instrument, learn basic vocal technique, learn to read music, and be exposed to a variety of musical styles and genres, as well as understanding the cultural background for each piece. Students will learn performance etiquette and expectations through participation in required evening concerts, Large Group Contest, Solo/Ensemble Contest, and other opportunities throughout the year. Each singer will be required to attend individual or small group lessons as scheduled during seminar or before/after school. Daily participation, performances, lessons, written work, sight singing and class singing tests will be used in determining grades.

#71 BAND (Year, 9-12 Elective) The band program is a year-long course that includes three different types of instrumental groups: Marching Band, Concert Band, and Pep Band. The Marching Band performs at all home football games and plays pep tunes in the stands. There is a marching band camp in early August where members will work on marching techniques and the show for the fall. All members are expected to attend. The Concert Band begins rehearsals in October and performs at three major concerts during the year: the winter concert in December, the spring concert in April, and Large Group contest in May. The Pep Band plays pep tunes at some of the home basketball games. Students will be required to participate in individual or small group lessons arranged through seminar. All public performances, including Large Group Contest, are required. Attendance in class and performances and personal performance in rehearsals and lessons will determine grades. Students will also have the opportunity to audition for jazz bands, honor bands, All State, and participate in solo and small ensemble contests.

BUSINESS EDUCATION DEPARTMENT

#82 FINANCING YOUR FUTURE (Semester 1 or 2, 10-12 Elective) This course is designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Topics covered will include budgeting, paying for college, career choices, savings, types of credit, managing credit, investing, taxes and insurances. Students will design personal and household budgets, simulate use of checking and savings accounts, demonstrate knowledge of finance, debt, and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions.

#84 ACCOUNTING (Semester 1 or 2, 11-12 Elective) This program of study introduces students to the principles of accounting where an emphasis is placed on the users and uses of accounting information. The seven stages of accounting will be investigated. Identifying and analyzing business transactions, recording in journals, posting to the ledger, trial balance, adjusting entries, adjusting trial balance, final statements, closing entries.

#86 SOCIAL MEDIA MARKETING (Semester 1 or 2, 10-12 Elective) Students will gain an understanding of business principles necessary in the world of social media and digital marketing. Students will have the opportunity to research, market and sell a product, as well as create a marketing campaign for WCV's website. Students will use Mimic Social, a simulation game, to build social media campaigns. They will perform demographic targeting, choose social media platforms such as Facebook, Instagram or Twitter to implement their strategy. Then make data driven decisions based on results, adjust and improve their marketing strategy.

149 PROFESSIONALISM (Semester 1 or 2, 11-12 Elective) Students will develop skills for workplace success involving self-management, workplace basics, relationships, and career planning tools. Career planning tools include resumes, cover letters and interviewing techniques.

#92 YEARBOOK (Year, 10-12 Elective) The work completed by the yearbook staff includes real-world experiences that results in the current volume of our school's yearbook. The publication strives to maintain a tradition of excellence in which the school and the community can take pride. Mastery of the goals and objectives educate staff members in all areas of publication production and 21st Century Skills preparing students for the workforce in various career paths.

YEARBOOK 2 (Year, 11-12 Elective) Prerequisite is successful completion of Yearbook. Use the skills and knowledge you developed in Yearbook to advance to the next level of publication production. Use your soft skills such as time management, organization, problem solving and communication skills to plan what will be encapsulated within the yearbook. As you progress through the course you will take on more responsibility within the editorial department creating and editing spreads, create and edit multimedia communications and manage Yearbook.

83 BUSINESS EXPERIENCES (Semester 1 or 2, 10-12 Elective) This course will utilize the Iowa Clearing house for Work-Based Learning. It connects students and employers through shared projects that give students professional experiences. Within groups students will select a project from the project board which meets their interests and apply to the company it is registered with to complete the project. Students will engage in authentic work-based learning, enabling them to see the workplace application of concepts more clearly while developing skills like innovation, communication, and teamwork. Work-based learning will help students to explore career possibilities and discover what interests them and what doesn't, preparing them to join the workforce or continue their education.

#81 ENTREPRENEURSHIP/PROBLEM SOLVING (Semester 1 or 2, 9-12 Elective) Uses entrepreneurship curriculum to teach an entrepreneurial mindset by encouraging creativity, innovation, critical thinking, and problem solving. This course equips students with the skills necessary to succeed and excel. BizInnovator is the toolkit and professional development program used to provide accessible solutions for innovation and entrepreneurship education. Students can practice business and entrepreneurial skills which they'll need to be career and college ready. Students will gain knowledge in entrepreneurship and confidence in their ability to become one.

#85 SMALL BUSINESS MANAGEMENT (Semester 1 or 2, 10-12 Elective) Small Business Management is a college credit course. It examines introductory small business applications and strategies needed to start and operate a small business. Topics included entrepreneurship, idea feasibility, business plan, marketing, management, and finance concepts for small businesses. This course provides students the opportunity to earn 3 credits. **Successful completion of this course will earn three credits for the DMACC course, BUS148, Small Business Management.**

TECHNOLOGY AND COMPUTER SCIENCE DEPARTMENT

#80 COMPUTERS 1 (Semester 1 or 2, 10-12 Required) (Meets computers requirement for 10th, 11th, and 12th grade students) In this course you will get a taste for a variety of Microsoft Office 365 programs including Microsoft Word, Excel, and PowerPoint. Word will teach you how to create flyers and MLA research papers. Excel will show you how to use formulas and functions within spreadsheets. PowerPoint will show you how to make professional looking presentations. All of these will assist you whilst at school, in further education and within the workplace.

COMPUTER SCIENCE PRINCIPLES (Year, 9-12 Elective) CSP introduces students to foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. This course takes a wide lens on computer science by covering topics such as problem solving, programming, physical computing, user-centered design, and data, artificial intelligence, and machine learning, while inspiring students as they build their own websites, apps, games, and physical computing devices. Computer Science fosters creativity and teaches students critical thinking skills to become proactive learners. This is a full year course.

#87 INTRO. COMPUTER BUSINESS APPLICATIONS (Semester 1 or 2, 10-12 Elective) In this course you will begin to delve deeper into all Microsoft has to offer. We will work with the programs Word, Excel, and PowerPoint. Students will partake in choosing various tools and applications such as ScreenCastify, Canva, Seesaw, and Book Creator to demonstrate their learning. **Successful completion of this course will earn three credits for the DMACC course, BCA212 Intro. Computer Business Applications**

#90 CODING WITH HTML5 & CSS (Semester 1 or 2, 9-12 Elective) This course provides students with an introductory level of understanding of HTML and XHTML as well as styling with CSS (Cascading Style Sheets). This course focuses on learning through doing. Learn to code your own website

PYTHON CODING (Semester 1 or 2, 10-12 Elective) This advanced coding course uses project based learning (PBL) through hands-on engagement activities within real world coding and robotics to learn. Code in Python, C-,C++, Java and Javascript, the languages powering the future. Engage in multidisciplinary learning using LocoXtreme, the most advanced codable ground robot, power packed with six sensors.

****Suggested progression of courses for Technology/Computer Science and Business Department.****

Grade Level	Technology and Computer Science	Business
9th Grade	Computer Science Principles Computers 1 (Required for 10th, 11th, and 12th Grade Classes)	Entrepreneurship through Problem Solving
10th Grade	Yearbook Computer Science Principles	Business Experiences Social Media Marketing Financing your Future
11th Grade	Coding with HTML5 & CSS Yearbook 2 Intro. to Computer Business Applications (DMAACC)	Professionalism Accounting
12th Grade	Python Coding	Small Business Management (DMAACC)

FAMILY & CONSUMER SCIENCE DEPARTMENT

#101 INTRO TO FCS (Semester course, **Suggested entry level course for incoming Freshmen.**) This course provides an overview of Family and Consumer Sciences. Topics include Food and Nutrition, Textiles and Clothing, and Personal Finances. This course is an excellent way to gain introductory experience in the Family and Consumer Sciences field and can help the student decide what other FCS courses they may be interested in taking during high school.

#102 CHILD DEVELOPMENT (Semester course, 9-12 Elective). This class will focus on the responsibilities of parenthood and the importance of the decisions concerning parenthood. A study of prenatal care and development of a newborn, child-care skills, the

value of play, safety, and health issues. Emotional, social, intellectual, physical and moral development will be examined. Careers working with children will be examined.

#103 HOUSING (Semester course, 9-12 Elective). Students will study basic housing design, types of housing and selecting a home. Home furnishings, design principles, and planning interior design will be studied. The course will study current housing trends and environmentally friendly construction choices. Students will gain insight into careers in the area.

#104 TEXTILES AND CLOTHING I (Semester course, 9 – 12 Elective) In this course, students will explore historic clothing and reasons for clothing selection. Wardrobe planning and clothing care will be addressed. Students will gain an understanding of fibers and fabrics and their characteristics. Basic sewing skills, hand and machine, will be introduced. Career exploration in textile and clothing related fields will be included in the course content.

108 TEXTILES AND CLOTHING II (Semester course, 9-12 Elective). Fiber identification, fabric construction methods, fabric finishes and their relation to end use and fabric care will be studied. Independently developed projects based on personal interest are a focus in this class. Possible options are garment construction, quilting options, fashion and design, clothing for the physically challenged, repurposing and redesign, sewing for profit, and sewing for the home.

105 FOODS I (Semester 1 or 2, 9-12 Elective). This course includes the study of food habits, basic nutrition, managing food resources and purchasing and storage of food. Food's labs are included and will address basic cooking techniques, kitchen safety and sanitation, and basic meal preparation. Additionally, the class will explore careers in the food and nutrition field.

106 FOODS II (Semester 1 or 2, 9-12 Elective) Included in this course is an in-depth study of nutrition and healthy eating. Students will experiment with spices, herbs and garnishes. Regional and international foods will be studied. Students will explore and understand local, national, and international food issues, concerns and current events. Careers in the food industry and skills needed for success will be included. Food's labs are included and will focus on meal planning, preparing and sampling different foods.

#100 ADULT LIVING (Semester course, 11 – 12 Elective) Intended to provide the student with basic life skills needed to live on your own, topics parallel real- life situations. Personal development, communication, and relationships with friends and family are all topics addressed in this course. Additionally, handling crisis, stress, managing resources and balancing work and family are covered as well. Personal finance skills such as paychecks, taxes, budgeting, major expenditures, and insurance are all addressed.

#134 FOOD SCIENCE (Semester 2, 11 – 12 Elective) Food Science is an interdisciplinary course that has a variety of applications to everyday life. The content in this course will introduce the learner to the relationship between food, additives, processing and health. This exciting new course covers current food controversies, how foods are processed, and food laws and regulations. Scientific methods are used to conduct laboratory experiments with food, applying both biology and chemistry principles. This course also provides a brief introduction to the different areas of study and career opportunities within the food science industry.

PHYSICAL EDUCATION DEPARTMENT

#111 HEALTH 1 (Semester 1, 9-12 Elective) This is an introductory course that will bring to light topics of importance in the health education field. Students will be focusing on topics like: Building life skills, Peer Pressure, Self-esteem, Nutrition, Physical fitness, BMI and Weight-management, Social skills, the dangers of alcohol and tobacco, Lifestyle Diseases, Cancer, Diabetes, and HIV/AIDS. Content is supplemented with textbook readings and reviews, video analysis, and unit tests.

#110 HEALTH 2 (Semester 2, 9-12 Elective) Health II will take you through many aspects of maintaining a healthy lifestyle. The main premise of this course is to understand that our choices have a direct impact on personal, public, and global health. This course will include topics in Public health, Personal hygiene, Nutrition and Healthy eating, Physical fitness, Mental health, Mental disorders, Illegal drugs, Alcohol, Tobacco, Healthy relationships, Sexual health, Reproduction, Pregnancy, STD's, Stress management, Infectious disease, Embryonic stem cells, and Health field careers. Some of the mentioned topics of Health II will be an extended version of certain topics discussed in Health 1 including: the dangers of alcohol, drugs, and tobacco, nutrition, and fitness. Students may be assessed on in-class activities, quizzes, projects, and participation in class.

#112 PHYSICAL EDUCATION: (Semester 1 or 2, Required Grades 9-12) This course offers a wide variety of activities for all and not just the highly skilled or the athlete. Physical Education prepares young people for a lifetime of activities which contribute to health and well-being and can also be enjoyed as leisure-time activities and recreation. These activities and skills are arranged in the school curriculum so that in four years the student will have been introduced to a wide variety.

All students shall dress for physical education classes with some exceptions. (Archery, bowling, CPR, etc.)

#114 PHYSICAL CONDITIONING: (Semester 1 or 2, 9-12 Elective) This course will focus on physical conditioning including strength and muscular endurance, cardio-respiratory endurance, agility, and flexibility. Weight training will include instruction in proper technique, safety, and various theories of weight training for different purposes. Stretching for flexibility and aerobic conditioning will also be stressed. The class will use both the gym and the weight room.

AGRICULTURE DEPARTMENT

#120 INTRODUCTION TO AGRICULTURE (Semester, 9-12 Elective) **Suggested entry level course for other Ag Classes.** This is an exploratory course covering the areas of horticulture, biotechnology, natural resources, animal science, plant science, leadership, and ethics in agriculture. In this course there will be an introduction to FFA and SAE. No agriculture experience necessary to take this course.

#121 ANIMAL SCIENCE (Semester 1 or 2, 9-12 Elective) This course will expose students to the world of animal science and the careers associated with the industry. Students will experience various topics such as anatomy and physiology, nutrition, reproduction, genetics, animal health and animal selection through exciting hands-on activities, projects, and problems.

#122 ADVANCED ANIMAL SCIENCE (Semester 1 or 2, 11-12 Elective) **Prerequisite: Animal Science.** In this course, you will have a closer look at the animal industry including body systems, biosecurity, diseases, and animal welfare. Throughout the semester our field trips will provide hands-on experience in veterinary medicine, beef production, horse training, and much more. **Successful completion of this course will earn three credits for the DMACC course, AGS 114, Survey of the Animal Industry. It is highly recommended that students take Animal Science First.**

#123 NATURAL RESOURCES (Semester 1 or 2, 9- 12 Elective) In this course, a survey of our nation's natural resources will be covered. Soils, water quality, forestry, native vegetation, conservation, renewable fuels, GPS and many other areas of natural resources. (This course may be used as a Science elective).

#128 GREENHOUSE MANAGEMENT (Semester 2, 10-12 Elective) This class will cover gardening, greenhouse operations, and horticulture sales and marketing. The focus of the class will be growing and preparing plants for the spring plant sale. Weather permitting, the class will participate in a landscaping project.

#137 AGRICULTURAL BUSINESS (Semester 1 or 2, 11-12 Elective) Not just for agriculture individuals! This course teaches lifelong learning skills needed to enter the world of work and encourages teamwork and independence. Topics such as entrepreneurship, agriculture business financial recordkeeping, and understanding the markets will be covered.

Successful completion of this course will earn three credits for the DMACC course, AGB 331, Entrepreneurship in Agriculture.

#133 FLORAL DESIGN (Semester 1 or 2, 9-12 Elective) Stop and smell the roses! Students who successfully complete this class will construct cost effective geometric designs, corsages and flower bouquets. Special occasion designs and business management practices are an integral part of the course which will prepare students for a career in the floral industry.

#136 VETERINARY SCIENCE (Semester 1 or 2, 10-12 Elective) **Prerequisite: Animal Science.** This class will teach you the necessary skills needed for an entry level career in veterinary medicine. This course provides many hands-on learning experiences with small and large animals that include surgery techniques, office management, ethics, clinical exams and hospital care. Instruction is enhanced through field trips, guest speakers, and demonstrations.

#159 WILDLIFE MANAGEMENT (Semester 1 or 2, 9-12 Elective) If you enjoy the outdoors and its critters, this is the class for you! Wildlife is a very important part of our natural world. This course explores the history of wildlife, their populations,

habitats, diseases, and protection. We will study anatomy and physiology, nutrition and feeding. Units will also include hunting, fishing, and trapping. Ethics, regulations, and citizen responsibilities will be discussed.

#124 PLANT SCIENCE (Semester 1 or 2, 9-12 Elective) This course provides a foundation of plant science knowledge and skills. Student experiences will include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agronomic, forestry, and horticultural industries.

#119 AGRONOMY (Semester 1 or 2, 11-12 Elective) An introductory course in the general principles of crop production and management. Major areas of study are food production, crop classification, plant growth factors, seed production and variety selection. **Successful completion of this course will earn three credits for the DMACC course, AGA 114 Introduction to Agronomy.**

AGRIFOODS (Semester 1 or 2, 9-12 Elective) Interested in learning about the science behind the agricultural products we consume? This course addresses the processing of raw-products into finished foods ready for the consumer to prepare and eat at home. Students will practice food processing and preservation techniques, develop new food products using agricultural ingredients and investigate all sectors of the agrifoods industry while working in a lab setting. Students will obtain a vast knowledge of how different foods get from the “field to our fork.”

AG. TECHNOLOGY (Semester 1 or 2, 9-12 Elective) Agriculture is more than cows, plows and sows! Join us as we explore the different technologies within the agricultural industry. Students will have a voice in determining the direction of the course, based on their interest areas, hobbies and future career goals. Some potential topics of discussion include: drone operation and mission planning, GPS, alternative energy, manure management, energy conservation and use, safely operating agricultural mechanics equipment, biotechnology, DNA splicing, genetic engineering, robotic milking, engineering agricultural structures and much more. The class will be very hands-on, highly applied and project based in nature. Come gain practical background knowledge and technical skills that are sure to help you in your life after high school!

AG. SALES & MARKETING (Semester 1 or 2, 9-12 Elective) There is a science behind every effective sales exchange. Come learn how to sell products and services to various audiences. We will also investigate the components of a marketing plan.

118 AGRICULTURAL LEADERSHIP (Semester 1 or 2, 10-12 Elective) Whether you consider yourself a leader or a follower, this course is for you! With an ever-increasing need for leaders within our school, community, state and nation, we need you to be competent citizens who can make things happen! This class will teach you how to develop your leadership skills to be the best you can be. It will help you to become more of a leader by studying team building, group dynamics, personal leadership development, and communication. We will explore different leadership styles and career possibilities.

INDUSTRIAL EDUCATION DEPARTMENT

#143 WOODS (Semester 1 or 2, 9-12 Elective) Course fees will be part of this class, course fees will be dependent on the type of lumber and size of the student's project. Students will learn the safe operation of tools used to make projects. The lumber industry, planning projects, production techniques, finishing and wood appreciation are all stressed. Completion of two small projects are the minimum requirements of the course.

#144 ADVANCED WOODS (Semester 1 or 2, 9-12 Elective) **Prerequisite: Woods.** Course fees will be part of this class, course fees will be dependent on the type of lumber and size of the student's project. Students will expand on the skills developed in the Woods class. Students will complete an individual project as well as take part in activities that demonstrate standard cabinet making techniques used in the construction trade.

#129 BASIC AUTOMOTIVE MAINTENANCE (Semester, 11-12 Elective) Students will learn the basic operation of today's automobiles. Students will have classroom instruction along with lab projects where students perform oil changes, brake pad replacements, tire rotations, and some diagnostic work.

#131 SMALL ENGINES (Semester, 9-12 Elective) Students will learn the basic operation of a small engine. Students will have classroom instruction and worksheets along with lab projects where students will disassemble and reassemble small engines and identify their parts.

#140 CONSTRUCTION (Semester 1 or 2, 9-12 Elective) Students will learn the key components involved in the construction process. This will include design, planning, materials, fasteners, procedures, and energy efficiency used in the construction industry.

#141 CONSTRUCTION 2 (Semester 1 or 2, 2 Blocks, 9-12 Elective) **Prerequisite: Construction.** Students will build on the components covered in Construction. Students will build small scale homes and a full-sized shed using tools and processes used in industry.

#142 DRAFTING (Semester 1 or 2, 9-12 Elective) Students will learn to prepare and interpret the drawings needed to communicate in the Construction Industry. Both board and Computer Aided Drafting techniques will be learned. Course work will include drawing small part views (isometric, 1 point perspective, oblique) and progress to blueprints.

#146 ADVANCED DRAFTING (Semester 1 or 2, 9-12 Elective) **Prerequisite: Drafting.** Students will build on the skills learned in Drafting. Students will Create more complex drawings with emphasis on 3D modeling.

#130 METALS (Semester 1 or 2, 9-12 Elective) Course fees will be part of this class, course fees will be dependent on the type of lumber and size of the student's project. Students in this class will learn different metalworking techniques. Students will create projects out of different kinds of metal using fastening techniques such as welding, soldering, and riveting. Students will be required to create sheet metal projects along with an additional project of their choice.

#135 ADVANCED METALS (Semester 1 or 2, 9 – 12 Elective) **Prerequisite: Metals.** Students will use the knowledge and skills acquired in Metals and apply it to real life situations. Throughout the semester students will learn different cutting techniques that will be used to create various projects. Problem solving, critical thinking, and time management will be the focus for this course.

TALENTED AND GIFTED

EXTENDED LEARNING PROGRAM (Semester 1 or 2 or Full Year depending on teacher approval) (9-12 Elective) Designed to help exceptional students who have been identified for the gifted and talented program continue their personalized educational plan. The focus is action-based and centered on the Autonomous Learner Model. The students will be facilitating seminars, participating in enrichments (service, leadership, cultural activities), exploring individual growth options (career and college), and dialoguing about aspects of giftedness. Students who enroll in this course may not have a study hall. If a student is not in T.A.G. a teacher's approval is needed. Students enrolled will receive a Pass/Fail grade and this course will **not** be included in a student's G.P.A.

GUIDANCE

#157 WORK EXPERIENCE (Semester 1 or 2 - Sr. Elective, 2 periods) This course gives students the opportunity to receive information on possible careers and on-the-job training at one or more sites. The focus of this course is career preparation. Students may earn two credits per semester. Students must submit an application to be considered for this course (available from the Counseling Office) Selection is based on the clarity of goals, preparation for placement, and work site availability.

#200 POST SECONDARY ENROLLMENT OPTIONS (DMACC)

Students in grades nine through twelve may receive academic or vocational-technical credits that count towards graduation requirements for successfully completed courses at community colleges, private colleges or state universities. The school district may pay a part of the cost of a course taken by ninth and tenth grade talented and gifted students and 11th and 12th grade students.

1. The school district pays only for courses which are not offered by the high school and which are offered during the regular school year by the community college, private college or state university. The school district does not pay for the costs of summer school classes. However, summer school classes are eligible for credit.
2. The student will be responsible for furnishing transportation to and from the eligible post- secondary institution.
3. Students will be granted 1 high school credit for every 3 hours of college credits earned.

Grades and credits earned will be recorded on the student's transcript and will be included in the Cumulative Grade Point Average (GPA).

4. All eligibility rules apply.

MADISON COUNTY CAREER ACADEMY (WINTERSET)

West Central Valley partners with Winterset to offer career and technical programs through the Madison County Career Academy. Students can learn skills and obtain community college credits in nurse aide, advanced nurse aide, emergency medical tech., education, and engineering. Programs range from a few periods, to half-day, from two terms to all year long.

Health Sciences			
Certified Nurse Aide	HSC172	1 Credit (DMACC 3)	11TH-12TH GRADE

CNA is designed to offer students the opportunity to explore health career fields. The course will cover an introduction to the health care systems along with the basic anatomy and physiology of the human body. Students will develop nursing assistant skills and the basic skills of a health care giver. The basics of personal health and wellness, nutrition, human development, disease processes and preventative health is taught in this course. Field trips to explore community based clinical, industrial, and educational health centers are a part of the course. Students will complete Module C CPR Training. Students will complete the 90 hour Nurse’s Aide training and will be eligible for certification testing. Classes will be held at the Administration Building with clinicals at the Madison County Hospital and Winterset nursing homes. West Central Valley **does not** offer transportation to and from Winterset. Students are eligible for the certification testing but West Central Valley **does not** provide payment. **Prerequisite(s): Physical and immunization records on file and submit to drug testing.**

Advanced Nurse Aide	HSC182	1 Credit (DMACC 3)	11TH-12TH GRADE
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Prerequisite: Criminal/Abuse background check; CPR certification, Physical and immunization records on file and submit to drug testing. Successful completion of Certified Nurse Aide

This course is designed for CNA’s who have completed the 75 hour state approved course. The course provides an opportunity to gain the additional competencies and clinical experiences needed to seek employment in a hospital. The first 45 hours of the course are held in a classroom/lab and the remaining 30 hours of clinical practice will be in a hospital.

Teaching and Learning			
Intro. to Education	EDU213	1 Credit (DMACC 3)	11TH-12TH Grade

This course will present a broad overview of the field of education, including foundations of American education roles of teachers, and students, history and philosophy and curriculum. Students will complete a 40 hour practicum at the elementary, middle or high school level. Intro to Education is recommended for students who plan to major in education.

Engineering			
Intro to Engineering	EGT400	2 Credits (DMACC 6)	11TH-12TH GRADE

In this course, students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. The focus of the Introduction to Engineering Design course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation. **Prerequisite: Algebra 1**

Course #	Course Title	Course Length	Class
	ENGLISH		
#1	English 1	Year	9th
#6	Advanced English 1	Year	9 th
#3	Speech 10	Semester (2nd)	10 th
#4	English 2	Semester (1st)	10 th
#9	Advanced English 2	Semester (1st)	10 th
#5	Intro. To Literature	Semester	11 th , 12 th
#7	Contemporary Literature	Semester	11 th , 12 th
#8	Intro. To Film	Semester	11 th , 12 th
#10	Composition 1	Semester	11 th , 12 th
#11	English 3	Semester	11 th , 12 th
#12	Creative Writing	Semester	11 th , 12 th
#13	Composition 2	Semester	12 th
#15	Communication Around the World	Semester	11 th , 12 th
#16	Drama	Semester	9 th , 10 th , 11 th , 12 th

#95	Classic Literature for Teens	Semester	9 th , 10 th , 11 th , 12 th
#150	Multicultural Literature	Semester	11 th , 12 th
#98	Dramatic Literature	Semester	11 th , 12 th
#14	Basic Debate	Semester	11 th , 12 th
	MATH		
#22	Algebra 1	Year	9 th , 10 th , 11 th , 12 th
#18	Algebra 1A	Year	9 th , 10 th , 11 th , 12 th
#19	Algebra 1B	Year	9 th , 10 th , 11 th , 12 th
#23	Geometry	Year	9 th , 10 th , 11 th , 12 th
#24	Algebra 2	Year	9 th , 10 th , 11 th , 12 th
#17	Pre-Calculus/Trigonometry	Year	10 th , 11 th , 12 th
#28	Calculus	Year	11 th , 12 th
#324	AP Calculus	Year	11 th , 12 th
#78	Geometry Concepts	Year	10 th , 11 th , 12 th
	SCIENCE		
#31	Physical Science	Year	9 th
#32	Biology	Year	10 th
#34	Chemistry	Year	11 th , 12 th
#39	Advanced Biology	Year	11 th
#35	Anatomy & Physiology	Year	11 th , 12 th
#36	Physics	Year	11 th , 12 th
#39	Zoology 1	Semester	9 th , 10 th , 11 th , 12 th
#109	Zoology 2	Semester	9 th , 10 th , 11 th , 12 th
#29	Astronomy	Semester	9 th , 10 th , 11 th , 12 th
#30	Environmental Science	Semester	9 th , 10 th , 11 th , 12 th
#325	AP Chemistry	Year	12 th
	SOCIAL STUDIES		
#40	World History 1	Semester (1st)	9 th , 10 th , 11 th , 12 th
#41	World History 2	Semester (2nd)	9 th , 10 th , 11 th , 12 th
#42	American History	Year	11 th
#43	American Government	Semester	11 th , 12 th
#44	Psychology	Semester	9 th , 10 th , 11 th , 12 th
#45	Introduction to Social Studies	Semester	9 th , 10 th
#46	Economics	Semester	10 th , 11 th , 12 th
#47	World Geography	Semester	9 th , 10 th , 11 th , 12 th

#49	Sociology	Semester	9 th , 10 th , 11 th , 12 th
#329	AP U.S. History	Year	11 th
	FOREIGN LANGUAGE		
#55	Spanish 1	Year	9 th , 10 th , 11 th , 12 th
#56	Spanish 2	Year	10 th , 11 th , 12 th
#57	Spanish 3	Year	11 th , 12 th
#58	Spanish 4	Year	12 th
	ART		
#60	Intro. to Design	Year	9 th , 10 th , 11 th , 12 th
#61	Painting	Semester	10 th , 11 th , 12 th
#62	Drawing	Semester	11 th , 12 th
#63	Ceramics	Semester	10 th , 11 th , 12 th
#64	Three-Dimensional Design	Semester	10 th , 11 th , 12 th
#65	Art History	Semester	9 th , 10 th , 11 th , 12 th
#66	Mixed Media	Semester	10 th , 11 th , 12 th
#67	Commercial Design	Semester	9 th , 10 th , 11 th , 12 th
#68	Photography	Semester	11 th , 12 th
#69	Advanced Media	Semester	11 th , 12 th
	Advanced Art	Semester	12 th
	MUSIC		
#70	Mixed Chorus	Year	9 th , 10 th , 11 th , 12 th
#71	Band	Year	9 th , 10 th , 11 th , 12 th
	BUSINESS EDUCATION		
#80	Computers 1	Semester	10 th , 11 th , 12 th
#81	Entrepreneurship/Problem Solving	Semester	9 th , 10 th , 11 th , 12 th
#82	Financing Your Future	Semester	11 th , 12 th
#83	Business Experiences	Semester	10 th , 11 th , 12 th
#84	Accounting	Semester	11 th , 12 th
#85	Small Business Management	Semester	10 th , 11 th , 12 th
#86	Social Media Marketing	Semester	10 th , 11 th , 12 th
#87	Intro. to Computer Business Applications	Semester	10 th , 11 th , 12 th
#90	Coding with HTML5 & CSS	Semester	9 th , 10 th , 11 th , 12 th
#92	Yearbook	Year	10 th , 11 th , 12 th
#149	Professionalism	Semester	11 th , 12 th
	Computer Science Principles	Year	9 th , 10 th , 11 th , 12 th

	Yearbook 2	Year	11 th , 12 th
	Python Coding	Semester	10 th , 11 th , 12 th
	FAMILY & CONSUMER SCIENCE		
#100	Adult Living	Semester	11 th , 12 th
#101	Intro. to FCS	Semester	9 th , 10 th , 11 th , 12 th
#102	Child Development	Semester	9 th , 10 th , 11 th , 12 th
#103	Housing	Semester	9 th , 10 th , 11 th , 12 th
#104	Textiles and Clothing 1	Semester	9 th , 10 th , 11 th , 12 th
#105	Foods 1	Semester	9 th , 10 th , 11 th , 12 th
#106	Foods 2	Semester	9 th , 10 th , 11 th , 12 th
#108	Textiles and Clothing 2	Semester	9 th , 10 th , 11 th , 12 th
#134	Food Science	Semester	11 th , 12 th
	PHYSICAL SCIENCE		
#111	Health 1	Semester	9 th , 10 th , 11 th , 12 th
#110	Health 2	Semester	9 th , 10 th , 11 th , 12 th
#112	Physical Education	Semester	9 th , 10 th , 11 th , 12 th
#114	Physical Conditioning	Semester	9 th , 10 th , 11 th , 12 th
	AGRICULTURE		
#118	Agriculture Leadership	Semester	10 th , 11 th , 12 th
#119	Agronomy	Semester	11 th , 12 th
#120	Intro. To Agriculture	Year	9 th , 10 th , 11 th , 12 th
#121	Animal Science	Semester	9 th , 10 th , 11 th , 12 th
#122	Advanced Animal Science	Semester	11 th , 12 th
#123	Natural Resources	Semester	9 th , 10 th , 11 th , 12 th
#124	Plant Science	Semester	9 th , 10 th , 11 th , 12 th
#128	Greenhouse Management	Semester	10 th , 11 th , 12 th
#133	Floral Design	Semester	9 th , 10 th , 11 th , 12 th
#136	Veterinary Science	Semester	10 th , 11 th , 12 th
#137	Ag. Business	Semester	11 th , 12 th
#159	Wildlife Management	Semester	9 th , 10 th , 11 th , 12 th
	Agrifoods	Semester	9 th , 10 th , 11 th , 12 th
	Ag. Technology	Semester	9 th , 10 th , 11 th , 12 th
	Ag. Sales & Marketing	Semester	9 th , 10 th , 11 th , 12 th
	INDUSTRIAL EDUCATION		
#130	Metals	Semester	9 th , 10 th , 11 th , 12 th

#135	Advanced Metals	Semester	9 th , 10 th , 11 th , 12 th
#140	Construction	Semester	9 th , 10 th , 11 th , 12 th
#141	Construction 2	Semester	9 th , 10 th , 11 th , 12 th
#142	Drafting	Semester	9 th , 10 th , 11 th , 12 th
#143	Woods	Semester	9 th , 10 th , 11 th , 12 th
#144	Advanced Woods	Semester	9 th , 10 th , 11 th , 12 th
#146	Advanced Drafting	Semester	9 th , 10 th , 11 th , 12 th
	TALENTED AND GIFTED		
	Extended Learning Program	Semester or Year	9 th , 10 th , 11 th , 12 th
	GUIDANCE		
#157	Work Experience	Semester	12 th
#200	Post-Secondary Enrollment Option	Semester	11 th , 12 th
	Certified Nurse Aide (CNA)	Semester	11 th , 12 th
	Advanced Nurse Aide (Adv. CNA)	Semester	11 th , 12 th
	Intro. to Education	Semester	11 th , 12 th
	Intro. to Engineering	Semester	11 th , 12 th
#250	Mid-term Grad.		12 th

**NCAA CLEARINGHOUSE
LIST OF APPROVED COURSES
WEST CENTRAL VALLEY HIGH SCHOOL**

ENGLISH

English 1
English 2
Speech 10
Intro. to Literature
Dramatic Literature
Creative Writing
Composition 1
Composition 2
Classic Literature
Multicultural Literature

MATH

Algebra 1
Geometry
Algebra 2
Trigonometry
Precalculus
Calculus
AP Calculus

SCIENCE

Physical Science
Biology
Anatomy & Physiology
Chemistry
Physics
Astronomy
Zoology 1
Zoology 2
Environmental Science
Advanced Biology
AP Chemistry

SOCIAL STUDIES

World Geography
World History 1
World History 2
American History
American Government
Economics
Psychology
Sociology
Intro. To Social Studies
AP U.S. History

FOREIGN LANGUAGE

Spanish 1
Spanish 2
Spanish 3
Spanish 4

This list designates which courses will be approved by the NCAA CLEARINGHOUSE when determining your eligibility for participating in Division 1 or Division 2 Athletics in College. For more information, visit www.ncaaclearinghouse.net
For students needing information on the NAIA visit www.playnaia.org

High School Course Requirements- Iowa's State Universities

In addition to meeting the Regent Admission Index requirement, students must complete the minimum number of high school courses specified below for the institution to which they're applying.

Subject Area	Iowa State University	University of Iowa	University of Northern Iowa
English/Language Arts	4 years emphasizing writing, speaking and reading, as well as an understanding and appreciation of literature.	4 years, with an emphasis on the analysis and interpretation of literature, composition and speech.	4 years, including one year of composition; may also include one year of speech, communication, or journalism
Math	3 years, including one year each of algebra, geometry, and advanced algebra.	3 years, including two years of algebra and one year of geometry, for admission to the College of Liberal Arts and Sciences. 4 years, including two years of algebra, one year each of geometry and higher math (trigonometry, analysis or calculus), for admission to the College of Engineering.	3 years, including the equivalent of algebra, geometry and algebra 2.
Natural Science	3 years, including at least two years of courses which emphasize elements of biology, chemistry or physics.	3 years, including courses in physical science, biology, chemistry, environmental science and physics for admission to the College of Liberal Arts and Sciences. 3 years, with at least one year each in chemistry and physics, for admission to the College of Engineering. Nursing- 3 years including one year each of biology, chemistry and physics.	3 years, including courses in general science, biology, chemistry, earth science or physics. Laboratory experience is highly recommended.
Social Studies	2 years for admission to the Colleges of Agriculture and Life Sciences, Business, Design, Human Sciences, and Engineering. 3 years for admission to the College of Liberal Arts and Sciences.	3 years, with U.S. history and world history recommended for admission to the College of Liberal Arts and Sciences. 2 years, with U.S. history and world history recommended, for admission to the College of Engineering.	3 years, including courses in anthropology, economics, geography, government, history, psychology or sociology.
World Languages	2 years of a single world language for admission to the College of Liberal Arts and Sciences and the College of Engineering	2 years of a single world language are required for admission. For many degrees, the fourth year of proficiency is required for graduation. Nursing- Minimum second-level proficiency in one world language.	World language courses are not required for admission. However, two years of a world language in high school with a C- or above in the last term will meet the university graduation requirement.
Other Courses	Specific elective courses are not required for admission.	Specific elective courses are not required for admission.	2 years of additional courses from the required subject areas, world languages or fine arts.

Non-Discrimination Notices

USDA NOTICE

"In accordance with Federal law and U.S. Department of Agriculture policy, this institution is prohibited from discriminating on the basis of race, color, national origin, sex, age, or disability. To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C.20250-9410, or call (800) 795-3272 (voice) or (202) 720 6382 (TTY). USDA is an equal opportunity provider and employer." If you have questions or a grievance related to this policy please contact the equity coordinator, Mr. Rusty Shockley, Superintendent, 3299 White Pole Road, Stuart, Iowa 50250 or call the district office at 515-523-2187 or e-mail Mr. Rusty Shockley rshockley@wcv.k12.ia.us.

IOWA NOTICE

"It is the policy of the West Central Valley Community School District not to discriminate on the basis of race, creed, color, sex, sexual orientation, gender identity, national origin, disability, or religion in its programs, activities, or employment practices as required by the Iowa Code section 216.7. If you have questions or grievances related to compliance with this policy by the West Central Valley Community School District, please contact the Iowa Civil Rights Commission, Grimes State Office Building, 400 E. 14th St., Des Moines, IA 50319-1004; phone number 515-231-4121, 800-457-4416; web site: <http://www.state.ia.us/government/crc/index/html>." If you have questions or a grievance related to this policy please contact the equity coordinator, Mr. Rusty Shockley, Superintendent, 3299 White Pole Road, Stuart, Iowa 50250 or call the district office at 515-523-2187 or e-mail Mr. Rusty Shockley rshockley@wcv.k12.ia.us.

CTE NOTICE

The West Central Valley School District offers Career and Technical Programs in the service areas of Ag Education, Business Education, Family and Consumer Sciences Education, and Industrial Education. It is the policy of the West Central Community School District not to discriminate on the basis of race, color, national origin, sex, disability, religion, creed, age (for employment), marital status (for programs), sexual orientation, gender identity, and socio-economic status (for programs) in its education programs and employment practices. There is a grievance procedure for processing complaints of discrimination. If you have questions or a grievance related to this policy please contact the equity coordinator, Mr. Rusty Shockley, Superintendent, 3299 White Pole Road, Stuart, Iowa 50250 or call the district office at 515-523-2187 or e-mail Mr. Rusty Shockley rshockley@wcv.k12.ia.us.