

Cascade Junior/Senior High School

2020-2021

Curriculum Guide

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It is the policy of the Western Dubuque County Community School District not to illegally 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 socioeconomic status (for programs) in its educational programs and its 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 district's Equity Coordinator, Rick Colpitts, Superintendent, 310 4th Street SW, Farley, Iowa 52046, 563-744-3885 ext. 6004 or email at Rick.Colpitts@wdbqschools.org.

Western Dubuque Community School District

High school students are in the middle of one of the most exciting times of their lives. We encourage you to get involved! Our school offers countless extracurricular activities to enhance students' personal, social and academic growth. Take advantage of the opportunity to get to know your teachers and fellow classmates. The more relationships you can establish at this age, the greater your capacity will be to work with a variety of people, as you get older.

The time is now for you to begin thinking about where you see yourself working someday. Choosing a Career Pathway or two and exploring them in depth will give you a strong foundation on which to build. We offer a wide range of courses designed to meet the needs of our students. Our staff is committed to providing you with quality of programming and the flexibility and support you need to be successful.

Learn to advocate for yourself. Ask for what you need and communicate with your principals, counselor and teachers. We are all here to help you! Please do not hesitate to contact one of us. We want your time here to be meaningful and worthwhile.

On behalf of all of us at Western Dubuque Community School District
good luck to you as you, register for another year of courses!

Success for All

Better Every Day

Mr. Ryan Fritz
CJSHS Principal

Mrs. Emily Phillips
CJSHS Counselor

COUNSELING OFFICE

Emily Phillips
School Counselor

This curriculum guide contains the courses offered at Cascade High School and Western Dubuque High School; it is designed to assist you in the registration process. It is suggested that students create a career plan and then choose courses that align with that plan. Students and their counselor should re-visit this career plan at registration time each year. Parents/guardians are encouraged to discuss registration with their child. If you have any questions, please call the school counselor at 852-3201 ext. 1005.

Graduation Requirements

1 credit = one term

Department

| | | |
|-----------------------------|------------|---------------------------|
| English | 8 credits | |
| Science | 6 credits | |
| Social Studies | 6 credits | |
| Math | 6 credits | |
| Human Life Science/Health I | 1 credit | |
| Personal Finance | 1 credit | |
| Computer Applications | 1 credit | (Class of 2023 and above) |
| Physical Education | 4 credits | One course per year |
| Electives | 25 credits | TOTAL = 58 credits |

Registration and Scheduling Rules and Regulations

The registration process is an important part of the educational process. Once students have registered for classes for the upcoming year, many decisions are made. We hire teachers, develop curriculum, and purchase instructional resources. To make the best use of these resources once they are secured, we have developed these Rules and Regulations.

1. Students should not request to add or drop a course unless they have had a change in their career plan or personal interests, or a crisis management plan is in order. Students will have two days at the beginning of each term to make this determination. Requests to add or drop a Term 2 course should be made before the end of Term 1. Students may not drop a two-term required course at term unless they are getting a C- or below.
2. Students sign up for courses. School personnel schedule students into these courses in such a way as to maintain as balanced of sections as possible. *Students will not be granted a schedule change in order to be with friends, to change teachers, or to change periods of the day.*
3. Students register for 6 courses per term. Seniors may register for four courses and 2 open campuses per term.

Senior Open Campus Agreement

Open campus is a privilege. We would expect students assigned to Open Campus to maintain their grades, proper attendance and adhere to our discipline policy. Those students whose academic effort, attendance pattern or conduct fails to meet these standards put their Open Campus status at risk. Open Campus can be revoked. You may wish to consider taking an additional academic course rather than signing up for study hall/open campus.

Earning College Credit During High School

Students at Cascade High School have the opportunity to earn college credit during their high school years through several options.

Senior Year Plus Option

Western Dubuque Community School District offers two types of post-secondary enrollment courses; PICC/Alternative Concurrent and Concurrent. Students may enroll in these courses at other sites, such as Northeast Iowa Community College (NICC) or Kirkwood. To enroll in such a class, students may need to adjust their schedule to accommodate the college's schedule. This option is open to eleventh and twelfth grade students or to ninth or tenth grade students identified as talented and gifted. Students may not enroll in courses that are comparable to high school offerings. Students are limited to part-time enrollment, and they may be required to earn a certain score on the Accuplacer or ALEKS test or be required to complete a high school pre-requisite prior to enrolling in the college course.

The Western Dubuque Community School District reimburses the post-secondary institution up to \$250 for every student enrolled in each post-secondary enrollment options course. This amount is used to pay for tuition, textbooks, and other course fees. Western Dubuque Community School District can, in turn, receive supplemental weight for each student enrolled. Students must notify their counselor of their intent to enroll in a post-secondary enrollment course prior to the start of the term in which the course will be taken. They may enroll in up to 23 credits per year at any approved post-secondary school through the PSEO Act. Students can earn dual credit (both high school and college credit) for these courses if approved. Students may not drop or fail these courses without reimbursing the school district all of the costs of the particular course.

Concurrent Enrollment

The concurrent enrollment program promotes rigorous academic or career and technical pursuits by providing opportunities for high school students to enroll part-time in eligible nonsectarian courses at or through community colleges. Per Senior Year Plus, concurrent enrollment courses are offered through contractual agreements between community colleges and school districts within their service area.

This option allows students to earn college credit through courses taught at Cascade High School or Western Dubuque High School by WDCSD staff members meeting the qualifications set by the post-secondary institution. Students in these courses can earn dual credit (both high school and college credit) upon successful completion of the course. All current courses that are contracted in the curriculum guide will be identified as such with the title of “Concurrent Enrollment” following the course title.

Advanced Placement (AP[®])

Advanced Placement (AP[®]) courses are rigorous college prep courses offered by high schools. The courses, curriculum requirements, and optional tests are provided by The College Board. Based on the examination score and the postsecondary institution's policies, students may be eligible for college credit.

Articulated Courses

Articulated courses are courses from Western Dubuque Community Schools that have aligned their curriculum with courses from a post-secondary institution such as NICC or Kirkwood. Although no college credit is given, if the course has been articulated they would then be able to attend the cooperating post-secondary school after high school is completed and waive that course and continue on with the desired program upon successful completion of at least one term. Each post-secondary institution handles articulated courses a little differently, so you should contact the institution of your choice with more questions. This provides a financial savings for the student when they attend the cooperating institution after high school. WDCSD is continuously working to articulate with other institutions such as NICC and Kirkwood. All current courses that are articulated in the curriculum guide will be identified as such with the title of “articulated” following the course title.

Who Can Take College Credit Courses?

Students who have met the requirements of both the school district and the post-secondary institution can take college credit courses. For the college, students must meet any placement test score requirements and any pre-requisite course requirements. At the school district level, students must be proficient in the areas of Reading Comprehension, Mathematics Concepts and Problem Solving and Analysis of Science Materials. Iowa Assessment and ACT scores will be used to determine proficiency. If a student is NOT proficient in one or more areas, alternative assessments may be used.

Why Take College Credit Courses?

To prepare for college! If the credits transfer and fulfill a college requirement it is an added bonus, however, this should not be the SOLE PURPOSE for taking a college credit course. It will be the student’s responsibility to contact colleges to see if the credits transfer and whether they transfer as an elective or a required course in college.

Permanent College Transcripts

If a student is to withdraw, drop, or fail a college credit course it will be reflected on their permanent college transcript. A student’s final grade will also be recorded on both their permanent high school and college transcript. These grades will follow students to college after high school and cannot be changed.

College Credit Courses Offered at Cascade High School

Composition I
Composition II
Pre-Employment Strategies
Introduction to Literature
Farm Business Management
Accounting I
Pre-Calculus
Statistics
Calculus (CHS or WDHS)

NICC Academies

Automotive Mechanics
Diesel
Health
Advanced Manufacturing

Kirkwood Academies

Advanced Mfg w/Robotics & Welding
Art & Science Liberal Arts Transfer
Architectural, Construction & Engineering
Automotive Technology
EMT Academy
PLTW Engineering
Graphics Communications Technology
Hospitality Management
Patient Care CNA/HSP
Computer Programing & Software Development

Your Courses Count:

Preparing for Academic Success at Iowa's Regents Universities

| | <u>Minimum Requirements for Admission</u> | | | <u>Optimum Recommendations for Success</u> |
|-------------------------|---|--|---|--|
| | Iowa State University | The University of Iowa | University of Northern Iowa | |
| FOREIGN LANGUAGE | Two years of a single foreign language for admission to the Colleges of Engineering and Liberal Arts and Sciences. | Two years of a single foreign language are required for admission. For many degrees, the fourth year of proficiency is required for graduation. Nursing—4 years in a single language or two years in two different languages. | Foreign language courses are not required for admission. However, two years of foreign language in high school with a C- or above in the last course will meet the university graduation requirement. | Four years of a single foreign language. By taking foreign language during all four years of high school, you'll go beyond the basic skills and begin to use the language and reinforce your fluency. |
| ENGLISH | Four years of English/language arts emphasizing writing, speaking, reading, as well as an understanding and appreciation of literature. | Four years with an emphasis on the analysis and interpretation of literature, composition, and speech. | Four years, including one year of composition; also may include one year of speech, communication, or journalism. | Four years of English courses with an emphasis on the communication skills of writing, reading, and listening and the analysis and interpretation of literature. In addition, courses such as journalism and media literacy will be valuable. Extracurricular activities such as debate, speech contest, newspaper, and yearbook will further develop essential competencies. |
| MATH | Three years, including one year each of algebra, geometry, and advanced algebra. | Three years, including two years of algebra and one year of geometry for admission to the College of Liberal Arts and Science. *Four 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. | Three years, including equivalent of algebra, geometry, and advanced algebra. | Four years, one in each year of high school. While advanced courses like calculus and statistics are good, it's more important that you gain a complete understanding of advanced algebra and trigonometry. |
| NATURAL SCIENCE | Three years, including one year each from any two of the following: biology, chemistry, and physics. | Three years, including courses in physical science, biology, chemistry, and environmental science and physics for admission to the college of Liberal Arts and Sciences. Three years, including 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. | Three years, including courses in general science, biology, chemistry, earth science, or physics. Laboratory experience is highly recommended. | Four years, one in each year of high school. To be really well prepared, take at least one year each of biology, chemistry, and physics. These can be taken in any order and may be taught productively in either a separate or integrated fashion, depending on your school's offerings. |
| SOCIAL STUDIES | Two years for admission to the Colleges of Agriculture and Life Science, Business, Design, Engineering, Human Sciences. Three years for admission to the College of Liberal Arts and Sciences. | Three years, with U.S. history and world history recommended for admission to the college of Liberal Arts and Sciences. Two years, with U.S. history and world history recommended for admission to the College of Engineering. | Three years, including courses in anthropology, economics, geography, government, history, psychology, or sociology. | Three years is essential, but four is better. Take at least one year of U.S. History and one year of world history. Additional courses in anthropology, economics, political science, psychology, and sociology provide an important understanding of political, social, and economic institutions. |
| OTHER COURSES | Specific elective courses are not required for admission to Iowa State University. | Specific elective courses are not required for admission to the University of Iowa. | Two years of additional courses from the required subject areas, foreign languages, or fine arts. | Explore! Courses in fine arts, performing arts, computers, or technology will help round out your high school experience. Your future field of concentration or career may lie in one of those areas. Follow your interests, your talents, and the strengths of your school. Remember to choose courses with high academic standards. |

Agriculture Education

The Agricultural Education program consists of three parts:

- 1) Classroom and laboratory
- 2) Supervised Agricultural Experience (SAE)
- 3) Leadership Development (FFA)

The classroom and laboratory phase is to prepare students for an Agriculture occupation and/or further study in agriculture at a vocational school, community college or four year university.

The Supervised Agricultural Experience (SAE) program is a student's opportunity to put into practice the knowledge and skills learned during agriculture classes. Experiences consist of practical learning conducted outside of regular classroom time. The agriculture education instructor will visit each student a minimum of one time throughout their

The Leadership Development (FFA) phase is a national organization of, by, and for students of high school agriculture. The FFA is an intra-curricular activity and an integral part of the agriculture education curriculum.

AGRICULTURAL EDUCATION I (CASE AFNR)

Length: Two Terms

Grades: 9-12

DESCRIPTION: Students participating in the *Introduction to Agriculture, Food, and Natural Resources* course will experience hands-on activities, projects, and problems. Student experiences will involve the study of communication, the science of agriculture, plants, animals, natural resources, and agricultural mechanics. While surveying the opportunities available in agriculture and natural resources, students will learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning. In addition, students will understand specific connections between their lessons and Supervised Agricultural Experience (SAE) and FFA components that are important for the development of an informed agricultural education student. Students will investigate, experiment, and learn about documenting a project, at the beginning of the year with their very own project of raising chickens.

AGRICULTURE EDUCATION II

Length: Two Terms

Grades: 10-12

PREREQUISITES: Agricultural Ed I or Teacher Approval

DESCRIPTION: Students will spend the beginning of the year learning about dairy production. Next, they will learn about soils. The third area of emphasis will be in arc and gas welding. The students will learn parliamentary procedure and give a speech. Units will be covered on crops such as alfalfa, corn, soybeans, and diversified crops. Students will also complete a metals project.

AGRICULTURE III/ANIMAL SCIENCE**Length: Two Terms****Grades: 11-12****PREREQUISITES: Agriculture Ed II or Teacher Approval**

DESCRIPTION: The students will learn about business structures to begin the year. They will next learn about small gas engines including the tearing down and repairing of a small gas engine. Students will prepare a portfolio including a job resume and letter of application. They will learn about Ag sales. They will again give a speech and cover the basics of electricity and concrete construction.

AGRONOMY/FARM BUSINESS MGMT (*concurrent enrollment course*)**Length: Two Terms****Grade: 12****PREREQUISITES: Agriculture III Animal Science or Teacher Approval**

DESCRIPTION: In this course students will explore the form and function of plant systems. Students are immersed in inquiry-based exercises filled with activities, projects, and problems to teach them plant concepts through laboratory and practical experiences. 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 agricultural and horticultural production utilizing our test plot and greenhouse. Students will discover the value of plant production and its impact on the individual, the local, and the global economy.

NICC COURSE DESCRIPTION: Farm Business Management: This course will cover all aspects of farm decision making, including record keeping, budgeting, year-end analysis, enterprise analysis and tax management. Students will earn 3 college credits for this course.

HORTICULTURE/GREENHOUSE MANAGEMENT**Length: One Term****Grades: 9-12****PREREQUISITES: Interest in agriculture and plants.**

DESCRIPTION: Bring on the greenhouse heat! This hands-on collaborative course will expose students to the art and science of growing plants, shrubs, trees, flowers, fruits, and vegetables. In doing so, they cover a wide variety of topics, including greenhouse and nursery operations, soils and media mixtures, fruit and vegetable production, turf/golf course management, interior and exterior plant scaping, irrigation systems, weed and pest control, and floral design.

Art

ART EXPLORATION

LENGTH: ONE TERM

GRADES: 9-12

DESCRIPTION: Art Exploration is the entry-level art course using a wide range of art media. Students should have a high interest in art and have the ability to enjoy working with art materials for an extended period of time. Art Exploration deals with basic drawing, art techniques in picture composition, and Art History.

DRAWING

LENGTH: ONE TERM

GRADES: 9-12

PREREQUISITES: Art Exploration or JH Art

DESCRIPTION: This course is designed for the art student who has a high interest in drawing. A wide variety of drawing and design experiences will be explored, including drawing media such as graphite, charcoal, ink, colored pencil, and pastels.

PAINTING

LENGTH: ONE TERM

GRADES: 9-12

PREREQUISITES: Art Exploration or JH Art

DESCRIPTION: This course is designed for the student who has an interest in painting. The student will explore traditional and modern painting techniques and ideas, individual expression and style. Techniques in various painting media will be presented.

ADVANCED PAINTING

LENGTH: ONE TERM

GRADES: 10-12

PREREQUISITES: Art Exploration or JH Art

DESCRIPTION: Students interested in painting can elect to continue their learning in this course. Works in acrylic, oil and watercolor will be assigned, coupled with independent student projects.

SCULPTURE

LENGTH: ONE TERM

GRADES: 9-12

PREREQUISITES: Art Exploration

DESCRIPTION: This course is designed for the student who has an interest in learning about sculpture materials such as paper, cardboard, Mache, wood, wire and some small metals. This class introduces sculptural building techniques for the creation of three-dimensional forms. Additive and subtractive methods, construction, assemblage, and carving will be covered and used in various ways.

ADVANCED ART

LENGTH: ONE TERM

GRADES: 11-12

PREREQUISITES: Art Exploration or JH Art & Two Other Art Courses

DESCRIPTION: Advanced Art is for the serious art student who wishes to build upon their experiences from previous art courses. The advanced art student will focus on two disciplines per from the areas of digital, drawing, painting, or 3D design. This course allows flexibility in projects but includes specific due dates and scheduled critiques.

INDEPENDENT STUDIO**LENGTH: ONE TERM****GRADES: 11-12****PREREQUISITES: Advanced Art or Teacher Approval**

DESCRIPTION: Independent Studio is available for the serious art student to develop and explore a thesis. This course is for the self-motivated art student. The student will work closely with the instructor in continuing their independent work on art projects.

DIGITAL PHOTOGRAPHY/GRAPHIC DESIGN (DIGITAL DESIGN I)**LENGTH ONE TERM****GRADES: 9-12****PREREQUISITES: Art Exploration or JH Art**

DESCRIPTION: Students will work toward creating a rich and diverse portfolio of photographs and digital art work. Students will study photo enhancement, photo manipulation, design layout, graphic creation, modes, functions, lighting and composition needed to take photos. Students will learn to use Photoshop and submit work digitally.

DIGITAL PHOTOGRAPHY/GRAPHIC DESIGN II (DIGITAL DESIGN II)**LENGTH: ONE TERM****GRADES 10-12****PREREQUISITES: Digital Photography/Graphic Design I**

DESCRIPTION: Students will build on their understanding of photo manipulation digital drawing with Adobe Photoshop and Illustrator then choose a path from the following options: photography, video, or graphic design. Students will submit work digitally.

CERAMICS**LENGTH: ONE TERM****GRADES 9-12****PREREQUISITES: Art Exploration**

DESCRIPTION: This course is designed for the student who has an interest in learning about and working with clay and glaze. This class introduces building techniques for the creation of three-dimensional forms. Additive building methods, as well as embossing and engraving surface techniques will be explored. Students will also work at a variety of firing ranges and techniques during the glazing process.

BUSINESS/COMPUTERS

BUSINESS MANAGEMENT & COMMUNICATIONS

LENGTH: ONE TERM

GRADES: 10-12

DESCRIPTION: Business Management & Communications is an advanced, hands-on course. It will focus on students' abilities to manage and operate an organization/ business, while exploring Western Dubuque's Future Business Leaders of America chapter. All the while students will develop skills in management, teamwork, delegation, community service, interacting with local businesses, recordkeeping, and professional communication/interviewing skills through public speaking assignments and live interviews with professionals.

BUSINESS LAW

LENGTH: ONE TERM

GRADES: 9-12

PREREQUISITES: INTRODUCTION TO BUSINESS

DESCRIPTION: Business Law will help students understand substantial business and personal law while also using precise legal language, expressing facts, principles and arguments in writing. Students will also understand legal procedures and the range of legal remedies and the sources and methods of legal research to solve the legal issues. By the end of the term, the students will be able to summarize complex legal situations. This course will provide the basic law principles that will help the student succeed in their post-secondary education.

INTRODUCTION TO BUSINESS

LENGTH: ONE TERM

GRADES: 9-12

DESCRIPTION: Introduction to Business is designed for the student to be introduced to the ownership and workings of a business both from the perspective of an owner and the consumer. This class will help to make you a well-prepared employee and a better, informed citizen. Topics studied include basic economics, business organization, international business, business ethics, social responsibilities of consumers, businesses and government, community involvement, business structures and profiles different career opportunities in the business world. This course will serve as a core class for other business classes you will take to help prepare for future employment or business ownership.

COMPUTER APPLICATIONS 1 (Required for Class of 2023 and above)

LENGTH: ONE TERM

GRADE: 9

DESCRIPTION: Students will broaden their computer skills for business, personal, and educational use. Time will be spent learning Microsoft Word, Excel and PowerPoint. Passing this course is a graduation requirement.

ACCOUNTING I (*concurrent enrollment course*)

LENGTH: 2 TERMS

GRADES: 11-12

PREREQUISITES: ALEKS SCORE OF 15

NICC COURSE DESCRIPTION: Basic accounting principles introduce beginning students to fundamental accounting concepts. The accounting cycle of journalizing transactions, posting, adjusting and closing entries, and the preparation of financial statements is emphasized for service and merchandising concern. The scope and depth of accounting concepts discussed are aimed at non-accounting majors.

PERSONAL FINANCE**LENGTH: ONE TERM****GRADES: 11-12**

DESCRIPTION: This course is required during either the junior or senior year. Personal Finance gives students the opportunity to learn how to budget their money, make better buying decisions, avoid the pitfalls of using credit, explore options for investing their money and learn basics of insurance. This course is recommended for all students who want to get the most out of their money and achieve their future financial goals. Students will work on simulations where they prepare a budget, pay bills for a family, purchase vehicles, buy various types of insurance, obtain a loan, prepare income tax returns, and other financial activities of a single person or a family.

ENTREPRENEURSHIP**LENGTH: ONE TERM****GRADES: 9-12**

DESCRIPTION: Students will receive an understanding of business principles and concepts involved in a successful business enterprise. Students will study how to successfully launch a business, finance a business, produce and market a product, and manage all aspects of a business. Students are involved in running a company and participating in a computer management simulation during the term. This course will provide students with hands on experience in operating a business which is background for the business and marketing classes students will take in post-secondary education.

ENTREPRENEURSHIP BUS MGMT (MARKETING)**LENGTH: ONE TERM****GRADES: 9-12**

DESCRIPTION: Entrepreneurship Business Mgmt. is a project-based business course that develops student understanding and skills in the functional areas of marketing. Students will acquire an understanding and appreciation of each of the marketing functions, as well as develop skills in promotion, planning and budgeting, the nature and scope of selling, economic systems, and career-seeking skills.

TECHNOLOGY I**LENGTH: ONE TERM****GRADES 9-12**

DESCRIPTION: Technology I will have an exploration of: 3D Modeling, App/Gaming Production, Multimedia Marketing, Animation, and Robotics. Working with peers, students complete projects, research and design their own models, simulations and activities that serve several purposes surrounding accelerating student learning.

TECHNOLOGY II**LENGTH: ONE TERM****GRADES 9-12**

PREREQUISITES: Technology 1

DESCRIPTION: This course is to further develop the knowledge and skills acquired in Tech 1, enabling the student to become involved major individual or group projects in the supervised setting. Students will be expected to complete at least three projects during the trimester. Ideas include, but not limited to: Cyber Security (program by Iowa State) App development, Multimedia, Robotics, 3D modeling and animation, and video production. This course will allow students to independently engage in an in-depth study and/or exploration of an area of interest specific to them.

ENGLISH

COURSE: ENGLISH I

LENGTH: TWO TERMS

GRADE:9

DESCRIPTION: English I is a two-term course that focuses on developing and strengthening the writing skills necessary for proficient high school writing. The focus areas include: thesis and paragraph development, MLA format, informative and argumentative writing, and oral presentations. Literary focus will first be on shorter nonfiction and fiction selections. The course also focuses on developing and strengthening the reading skills necessary for high school. Students will deepen their understanding of the elements of literature through studying selected works of poetry, mythology, and Shakespearean drama. Students will continue to strengthen their skills in listening, speaking, and writing through the analysis of literature.

COURSE: ENGLISH II

LENGTH: TWO TERMS

GRADES:10

DESCRIPTION: This course builds on concepts explored in English I. Term 1 will explore literature through novel studies that focus on aspects such as historical context, characterization, and theme while continuing to develop their analytic and narrative writing skills. Term 2 will continue with a more in-depth examination of historical context culminating in a written research paper assessing the students' ability to accurately and effectively incorporate the use of outside sources into their own writing. Students will also analyze classic works of literature and drama from Arthurian legends to Shakespeare's Julius Caesar. Written research and argumentative skills will be used to complete an oral informational presentation.

ENGLISH III

LENGTH: TWO TERMS

GRADES: 11

PREREQUISITES: English 2 and English 2

DESCRIPTION: English 3 examines the American experience through selected literature that spans the history of the United States. Student-centered, the course uses literature and historical documents to understand the multi-faceted American culture and to connect the past with the present. Students will use a variety of methods to demonstrate learning, ranging from written assessments and research papers to creative learning.

ENGLISH IV

LENGTH: TWO TERMS

GRADES: 12

PREREQUISITES: ENGLISH III

DESCRIPTION: This course is intended for all students. English 12 addresses Language Arts, Composition, Literature, and communications/speaking skills relevant beyond the high school classroom. During 1st term students will refine their writing skills using the 6+1 writing model applied to a variety of writing formats and purposes. In the second term, students will study, discuss and analyze global issues through the reading of novels and short stories from various world authors as well as viewing several films. Students will continue to develop their writing skills through informative, narrative, and argumentative writings and /or projects.

INDIVIDUALIZED READING**LENGTH: ONE TERM****GRADES: 9-12**

DESCRIPTION: Individualized Reading is a class designed for those students who would like an opportunity to talk and write about what they are reading. This class will combine all of the elements of language arts: reading, writing, vocabulary development, and presentation skills. Students will self-select their reading materials. There is a writing element to the class that offers the students a chance to reflect on the books that they have completed.

CREATIVE WRITING**LENGTH: ONE TERM****GRADES: 9-12**

DESCRIPTION: This course is designed to introduce students to the many forms of creative writing and journalism. During the course, students will gain experience with several forms of creative expression, such as poetry, drama, fiction, and nonfiction. Importance will be placed on proofreading and revision, voice and style, audience, and the use of literary elements. Students will also focus on the basic elements of journalism as they explore news, feature, opinion, sports, and caption writing. Other important components will include editing, interviewing, and basic research skills. Lastly, this course will submit articles to the Dyersville Commercial and Cascade Pioneer,

COMPOSITION I “Concurrent Enrollment Course”**LENGTH: ONE TERM****GRADE: 12****PREREQUISITES: ACCUPLACER SCORE OF 5 ON WRITING TEST OR ACT SCORE OF 18 IN ENGLISH**

NICC DESCRIPTION: This course prepares the student for the type of communication and thought essential to academic and working-world success. The course focuses on writing as a process and is intended to help students identify his or her writing strengths and weaknesses and, thereby, refine their own personal writing. Emphasis will be placed on providing writing and vocabulary skills essential to success in college. Instruction concentrates on rational persuasion, critical evaluation of ideas, writing style, and methods of research. Students must earn at least a C- in this course to enroll in the Cultures through Literature course.

INTRODUCTION TO LITERATURE “Concurrent Enrollment Course”**LENGTH: ONE TERM****GRADE: 12****PREREQUISITES: ENG:105 a minimum C- or an equivalent Composition course at another college/or university with a minimum of a C-**

NICC DESCRIPTION: This course focuses on the art of fiction, drama and poetry. Students closely examine literature that challenges and enlightens. Engagement with these works stimulate independent, analytical thinking that is shared through writing and discussion.

COMPOSITION II “Concurrent Enrollment Course”**LENGTH: ONE TERM****GRADES: 12****PREREQUISITES: COMPLETED COMPOSITION I WITH A GRADE OF " C- " OR ABOVE.**

NICC DESCRIPTION: This writing course focuses on writing as a process with emphasis on persuasion, evaluation, analysis, investigation and research and documentation of sources.

CONTEMPORARY LITERATURE**LENGTH: ONE TERM****GRADES: 9-12**

COURSE EMPHASIS: Contemporary Literature is designed to encourage students to read modern literature that is not included in the curriculum of the required English classes. The course will consist of two components. Students will be expected to use a variety of reading tools that will involve predicting, questioning, and connecting their reading to their own lives. The majority of the class will be reading novels as a class. This course cannot be used to fulfill the 8 English credit graduation requirements without the permission of the principal.

DEBATE**LENGTH: ONE TERM****GRADES:9-12**

DESCRIPTION: This course will cover units on argumentation and debate to help students communicate their thoughts in a structured manner, develop critical thinking skills, and develop research skills. Major units include Extemporaneous speaking, Lincoln-Douglas Debate, and Public Forum.

PUBLIC SPEAKING “Concurrent Enrollment Course”**LENGTH: ONE TERM****GRADES: 10-12****PREREQUISITES: COMPLETED 4 ENGLISH CREDITS**

An introductory course emphasizing actual speaking experiences with practice in choosing subjects, analyzing audiences and preparing and delivering a variety of extemporaneous speeches. Provides opportunity for skill development in listening and group discussion.

FAMILY & CONSUMER SCIENCE

FAMILY & CONSUMER SCIENCE I

LENGTH: ONE TERM GRADES: 9-12

DESCRIPTION: Enjoy a little bit of all the Family and Consumer Sciences department has to offer with this hands-on exploratory course. Prepare for the future adult roles with topics including child development, nutrition and healthy meal planning, sewing and clothing care, personal finance, and housing. The skills in the class might spark a new interest or hobby and will certainly help prepare you for living independently.

PARENTING

LENGTH: ONE TERM GRADES: 10-12

DESCRIPTION: Parenting skills are something we learn, not something we are born with. Set your future family off on the right foot with this course. Examine dating and healthy relationships, explore mate selection, and learn about the diverse ways people become parents. Learn to nurture the many dimensions of a child's development. This course includes lab experiences working with children. It is a great first step towards a career in education or human services but will be beneficial to everyone whose life may include children someday.

CULINARY ESSENTIALS

LENGTH: ONE TERM GRADES: 9-12

DESCRIPTION: Are you interested in a recipe for success? Enhance your culinary skills in this exciting hands-on elective. Students build on the basics of food preparation in lab experiences ranging from herbs to sauces to meats. Popular competitions like Chopped allow students to show off their expertise. Topics like plate contrast, regional and ethnic cuisine, and culinary career options are also discussed. This course is a must for students who enjoy cooking or anyone who would like to gain some kitchen confidence before leaving home.

BAKERY

LENGTH: ONE TERM GRADES: 10-12

PREREQUISITES: Culinary Students who have Completed Foods I and II may enroll

DESCRIPTION: With hands -on units ranging from cookies and pies to candy and more, students can transform baking from a hobby to a viable career option. They can explore pastry arts as a career with the class entrepreneurship project. Students will develop skills needed to follow advanced recipes and will even create their own.

APPAREL MERCHANDISE DESIGN & PROD

LENGTH: ONE TERM GRADES 10-12

DESCRIPTION: Explore exciting careers in apparel merchandising, design, and production while enjoying this elective course. Students will examine fashion history and forecast future trends, identify characteristics of high-quality garments, and learn to sew garments themselves. An excellent course for students considering a career in fashion or for anyone who enjoys creativity and project-based learning.

HEALTH & PHYSICAL EDUCATION

HEALTH 1

LENGTH: ONE TERM

GRADES: 9-10

Graduation requirement

DESCRIPTION: It has been said that when you have your health you have everything. Being in good health really does affect what type of life you lead. It affects how much you can put into life and take out of life. And “having your health” will even determine how long you will enjoy your stay on this planet. A practical side of health is examined in this class. Emphasis is placed on developing positive health habits. Topics discussed include: What is Health and Fitness, Nutrition, Infectious and Noninfectious Diseases AND Mental Health.

PHYSICAL EDUCATION

LENGTH: ONE TERM

GRADES: 9-12

DESCRIPTION: All students in grades 9-12 must take Physical Education for one trimester each year they are enrolled unless they are exempt from this requirement. Each student must have four credits in Physical Education to graduate unless waived. The proper Cascade High School P.E. uniform is required for class. A letter grade will be given on the report card. The grade, which is included on the G.P.A., will be based on participation, technique and knowledge. A variety of individual, team, and life-long activities will be offered. CPR training will be provided and certification is required for graduation.

STRENGTH AND CONDITIONING (Early Bird)

LENGTH: THREE TERMS

GRADES 9-12

DESCRIPTION: Students will participate in areas of physical fitness intended to condition the body. Students will improve muscular strength and size, cardiovascular endurance and recovery, muscular endurance, flexibility, running skills, jumping ability, agility, and speed. Those who enroll in this class will meet every other day all year from 7:00 – 7:45 a.m. and will receive one credit. Both semesters will contain activities that are very physically demanding and should not be confused with regular physical education classes. Students will be required to provide their own physical education attire, combination lock & plastic folder.

STRENGTH AND CONDITIONING

LENGTH: ONE TERM

GRADES 9-12

DESCRIPTION: Students will participate in areas of physical fitness intended to condition the body. Students will improve muscular strength and size, cardiovascular endurance and recovery, muscular endurance, flexibility, running skills, jumping ability, agility, and speed. All terms will contain activities that are very physically demanding and should not be confused with regular physical education classes. Students will be required to provide their own physical education attire, combination lock & plastic folder.

PERSONAL WELLNESS

LENGTH: ONE TERM

GRADES: 11-12

DESCRIPTION: Are you reluctant to be physically active? Are you wanting to improve your quality of life, learn to accept your bodies imperfections that cannot be changed and learn to change the things we are in control of changing in our lives? Then this class is for you. This class is for students who want to make the connection between their physical activity, nutrition and life style choices. This class is a unique opportunity for high school students to **work together** to meet personal fitness goals, learn more about themselves, learn about different body types and loving yourself for who you are. This class will teach fitness, nutrition, weight training, yoga and other life skill activities. The focus of this class is to develop lifelong wellness skills. Students will be required to provide their own physical education attire, combination lock & plastic folder.

INDUSTRIAL TECHNOLOGY

INTRO TO INDUSTRIAL TECHNOLOGY

LENGTH: ONE TERM

GRADES: 9-12

DESCRIPTION: This is an introductory course that will explore the areas of industrial technology offered in Western Dubuque's School District. Students will spend a third of the term in each of the three areas: Carpentry, Manufacturing and Transportation. A majority of this class will be hands-on, allowing students to complete projects in each area. This class will also emphasize safety and career exploration. This course will be required for all 9th and 10th graders who wish to take other classes in the Industrial Technology Program. Safety glasses and a tape measure are required for each student. Students are responsible for the cost of project materials.

CARPENTRY I

LENGTH: ONE TERM

GRADES: 9-12

PREREQUISITES: Introduction to Industrial Technology

DESCRIPTION: This course is an introductory course in basic carpentry. This is a "hands-on" class where students will learn by doing. Students will develop an understanding of shop safety, use of hand and power tools, characteristics of wood and basic carpentry techniques. Emphasis is placed on shop safety and proper technique for the carpentry facility, whether it is in a shop or on a job site. Students will construct projects to develop knowledge of gluing, joinery, fasteners, sanding, staining, finishing and craftsmanship. The following are required for this course: z87 safety glasses & 12' tape measure. Students will also be responsible for purchasing materials that are needed to construct their small projects.

CARPENTRY II

LENGTH: ONE TERM

GRADES: 10-12

PREREQUISITES: Carpentry 1

DESCRIPTION: This course will be more in-depth in carpentry. This is a "hands-on" class where students will learn by doing. Students will use what they learned in Carpentry 1, and develop an even broader knowledge of all tools and machinery in the shop. Emphasis is placed on project development, safety and proper technique for the carpentry facility, whether it is in the shop or on a job site. Students will construct projects at a more advanced level. The following are required for this course: z87 safety glasses & 12' tape measure. Students will also be responsible for purchasing materials that are needed to construct their projects.

CARPENTRY III

LENGTH: ONE TERM

GRADES: 11-12

PREREQUISITES: Carpentry I & II

DESCRIPTION: This course will give students skills that are used by finish and rough carpenters. The classroom experience combines lecture and lab activities that cover all aspects of a carpenter's job. It is intended as a possible entry for a career in carpentry or further their education. Students will use prior training techniques and knowledge from Carpentry I & II. Students will learn rough carpentry techniques by possibly building a small shed and will learn finish carpentry skills while constructing their cabinet(s) design, which will include a door or drawer. The following are required for this course: z87 safety glasses & 12' tape measure. Students will also be responsible for purchasing materials that are needed to construct their cabinet design. *Carpentry III may be taken for more than one trimester.

CONSTRUCTION**LENGTH: ONE TERM****GRADES: 9-12****PREREQUISITES: Intro to Industrial Technology; Graphic Communications recommended**

DESCRIPTION: This is an introductory level course which is intended for all students who have a desire to understand the construction industry. The different types of construction and careers within the field will be covered. A hands-on exposure will be an emphasis. Materials fee will be charged. The following are required for this course: z87 safety glasses & 12' tape measure.

GRAPHIC COMMUNICATIONS**LENGTH: ONE TERM****GRADES: 9-12**

DESCRIPTION: Graphic Communications is a course in the study of multi-media communications that relates to design and drawing in technology and industry. Included are design and drawing blueprints by hand and with the use of multiple CAD softwares. These softwares can then be used to run various CNC machines and 3-D printers.

WELDING**LENGTH: ONE TERM****GRADES 9-12**

DESCRIPTION: Students will have the opportunity to use oxyacetylene and electric arc welding equipment to make different types of welds required to make repairs or fabricate items. Various techniques of welding such as stick, MIG, plasma cutting, and oxyacetylene applications will be experienced.

NICC Consortium Classes for Industrial Technology

Cascade High School and NICC have created these consortiums so students can start their educational programs in one of the following programs: Automotive Mechanics or Diesel Mechanics. The courses in these consortiums meet at NICC every day from approximately 1:30 – 3:30 p.m. for the entire year. The consortiums are better suited for 12th grade students but may be appropriate for 11th grade students as well.

AUTOMOTIVE MECHANICS CONSORTIUM**LENGTH: ONE YEAR****GRADES: 11-12**

DESCRIPTION: In this age of rapidly changing technology, the automotive repair field demands personnel who are trained in the latest methods of diagnosis and repair. If you are mechanically inclined and willing to learn the necessary skills, you will find many opportunities in the automotive field. Students can earn a maximum of 6 high school credits per year.

DIESEL CONSORTIUM**LENGTH: ONE YEAR****GRADES: 11-12**

DESCRIPTION: The increased mobility of people and industries has caused a large growth in the diesel industry. Where there are diesel engines, there is a need for mechanics to keep them running. As a diesel mechanic, you will be prepared as an all-around mechanic capable of performing work on all systems of the vehicle. You must exhibit an attitude compatible with work requirements, demonstrate the ability to work with co-workers, and possess competencies in electrical systems, fuel systems, drive trains, and engines. Competency-based training will be offered on front-to-rear maintenance of diesel equipment. Students can earn a maximum of 6 high school credits per year.

MATH

ALGEBRA I

LENGTH: TWO TERMS

GRADES: 9-12

DESCRIPTION: This course is a basic preparation for most math, science and technical courses. It is highly recommended for all students who plan to attend a 2 or 4 year college. The course emphasizes linear equations, linear inequalities, and operations with polynomials, linear systems, quadratic equations, and irrational numbers. Word problems are taught throughout the course. The student is expected to put forth consistent, daily effort and steadily improve his/her study skills.

ALGEBRA I CONCEPTS

LENGTH: THREE TERMS

GRADES: 9-12

PREREQUISITES: Math placements will be determined by student proficiency against districts benchmarks, teacher recommendation & test scores.

DESCRIPTION: This course is a basic preparation for most math, science and technical courses. The course emphasizes linear equations, linear inequalities, and operations with polynomials, linear systems, quadratic equations, and irrational numbers. Word problems are taught throughout the course. The student is expected to put forth consistent, daily effort and steadily improve his/her study skills.

ALGEBRA II

LENGTH: TWO TERMS

GRADES: 10-12

PREREQUISITES: Math placements will be determined by student proficiency, teacher recommendation & test scores.

DESCRIPTION: Algebra 2 is a college prep course recommended for all capable and interested students. This course continues the study of Algebra that began in Algebra 1 with the development of the properties and uses of the real number system in the form of functions such as linear, quadratic, polynomial and exponential. Basic properties of matrices, rational functions, spatial representations of conic sections, and logarithms will also be introduced.

ADVANCED ALGEBRA II/TRIG

LENGTH: TWO TERMS

GRADES: 10-12

PREREQUISITES: Math placements will be determined by student scores and teacher recommendation.

DESCRIPTION: This course is a continuation of Algebra I with a majority of the time in the first term being spent on extension of Algebra I topics. Introductory work will be done in trigonometry, logarithms and exponential expressions, probability, and statistics, solution and graphing of polynomial equations, and the complex number system. This course is highly recommended for students planning to take Pre-Calculus and considering enrolling at a post-secondary school with the plans of majoring in business, mathematics, or science related field. A graphing calculator is required. (TI 83 or TI 84 plus is necessary for this course). This course may be taken at the same time as Geometry with teacher approval.

GEOMETRY

LENGTH: TWO TERMS

GRADES: 9-12

PREREQUISITES: ALGEBRA

DESCRIPTION: This course develops the definitions and properties of many plane geometric objects. Topics include: lines, angles, triangles, parallelograms, polygons, geometric transformations, similarity, congruence, right triangle trigonometry, vertex-edge graphs, circles, areas, perimeters, and volumes. These properties are studied from a deductive and an analytic approach.

PRECALCULUS**LENGTH: TWO TERMS****GRADES: 11-12****Concurrent Enrollment Course****PREREQUISITES: ALEKS SCORE OF 60 OR HIGHER & Algebra II**

NICC DESCRIPTION: This course will prepare students for calculus. Precalculus studies the nature of elementary functions and their role in mathematics by integrating a combination of algebra and trigonometry. Topics include the real number system, functions, polynomials and rational functions, exponential and logarithmic functions, trigonometric functions, trigonometric identities, analytic trigonometry, systems of equations, and identities, analytic trigonometry, systems of equations, and matrices. It is highly recommended that you have a C or better in Algebra 2/Trig.

STATISTICS**LENGTH: TWO TERMS****GRADES: 11-12****Concurrent Enrollment Course (2ND TERM)****PREREQUISITES: ALEKS SCORE OF 45 OR HIGHER & Algebra II**

NICC DESCRIPTION: This course will introduce the basic methods of statistical reasoning to help develop the ability to summarize data, interpret data, and draw conclusions based on the data. The first topics discussed are descriptive statistics, the second inferential statistics. This course is recommended for numerous post-secondary degrees in a non-math related field.

CALCULUS I (WDHS & CHS)**LENGTH: TWO TERMS****GRADES: 12****Concurrent Enrollment Course****NICC: CALCULUS I CATALOG #: MAT:210 4 CREDITS****PREREQUISITE: PRECALCULUS**

DESCRIPTION: This course will discuss the understanding of calculus and analytical geometry, differentiation and applications of the analytic geometry and differentiation. It is recommended that you have a C or better in Precalculus. This course is recommended for anyone pursuing a post-secondary degree in a mathematics related field.

MUSIC

CONCERT CHOIR

LENGTH: THREE TERMS

GRADES: 9-12

DESCRIPTION: Chorus is a class to help develop your individual and ensemble singing skills. Music of a wide variety of genres will be presented and explored throughout the course of the year. Performances are scheduled throughout the year and are outside of class time, including nights and weekends. All performances and weekly voice lessons are required.

VOCAL AFFINITY

LENGTH: THREE TERMS

GRADES: 9-12

DESCRIPTION: Vocal Affinity is a jazz choir that meets every other day during early bird (7:00 am – 8:00 am) Vocal technique, improvisation, and various vocal jazz styles will be addressed throughout the year. This group has many performances outside of class throughout the year and are required for all members. **Effective 2020-2021 Concert Choir participation is required. Members of the 2019-2020 school year are exempt.

BAND

LENGTH: THREE TERMS

GRADES: 9-12

PREREQUISITES: The ability to play a band instrument

DESCRIPTION: Students perform a variety of music throughout the year. All students participate in marching band, concert band and pep band. Rehearsals outside of class time are required, including nights, weekends, and summer-time. Many performances are scheduled throughout the year, also outside of class time.

JAZZ BAND

LENGTH: THREE TERMS

GRADES: 9-12

PREREQUISITES: Selected by Audition

DESCRIPTION: Students will learn a variety of music and will perform concerts outside of class time. Instrumentation for this group is saxophones, trumpets, trombones, keyboard, and rhythm.

INTRO TO PIANO & GUITAR METHODS

LENGTH: ONE TERM

GRADES: 9-12

DESCRIPTION: This one trimester course students will develop the skills to perform both on piano and guitar. Basic theoretical concepts of music including note names, rhythm reading, music reading, a chord progression will be covered. Students will have the opportunity to play a variety of genres on both instruments throughout the course. Guitars and keyboards will be provided to students.

School-To-Work

PRE-EMPLOYMENT STRATEGIES

LENGTH: 1, 2 or 3 TERMS

GRADES: 12

“Concurrent Enrollment”

NICC: PRE-EMPLOYMENT STRATEGIES

CATALOG #: SDV:153

2 CREDITS

DESCRIPTION: Pre-Employment strategies is a 2 credit concurrent class from NICC. The class is taught at WDHS. This is a school-business partnership that is designed to provide students with a valuable worksite learning experience in a selected career pathway. Placements can be either paid or non-paid. The placement will last for one trimester and counts for two high school credits per trimester. The students will provide their own transportation to the worksite. Daily attendance is critical! Students will have classroom work one day a week and will be at the job site the rest of the week. The classroom work involves workplace skills and job search skills. The application process must be completed during the spring of the student’s junior year. If a suitable work placement is not located by the first 3 days of the trimester, the student will not be able to participate in the program.

Entry criteria:

- Minimum GPA of 2.0.
- Good Attendance Record – at least 90% for previous year.
- Must complete School to Work application and resume.
- Must have favorable recommendations from teachers, counselors and principals.
- Must attend scheduled meetings and interview with School to Work coordinator.
- Must complete ALL necessary paperwork by the deadlines set by the School to Work coordinator.

SCHOOL TO WORK

LENGTH: 1, 2 or 3 TERMS

GRADES: 12

DESCRIPTION: The School-to-Work Job Exploration program is a school-business partnership that is designed to provide an at-risk student an opportunity to experience career exploration in a field in which they are interested. This career exploration can be paid or unpaid. Students can receive 1 or 2 credits per trimester, and up to a maximum of 6 credits during their senior year. Students will attend class one day a week for the first semester and be at the job site the rest of the week. The students will complete class assignments, time cards and a project related to their work experience. Students must provide their own transportation to the work site. Parental approval is required. If an appropriate placement is not located by the first 3 days of the trimester, the student will not be able to participate in the program.

Entry Criteria:

- Must be recommended by a counselor.
- Good Attendance Record – at least 90% for previous year.
- Must complete School to Work application.
- Must have favorable recommendations from teachers, counselors and principals.
- Must attend scheduled meetings and interview with School to Work Coordinator.
- Must complete ALL necessary paperwork set by the School to Work Coordinator.

FUTURE EDUCATORS**LENGTH: ONE TERM****GRADES: 12**

DESCRIPTION: The Future Educators of America Program is a partnership between the schools, elementary, middle and high, and the student. The mission of this program is to provide the students with opportunities to explore teaching as a career option, help students gain realistic understanding of the nature of education and the role of the teacher and coordinate information about teaching as a profession, employment opportunities, financial assistance options and educational issues such as professional mobility, diversity, job security and other matters. This unpaid career exploration opportunity will last one trimester and count for one elective credit toward graduation. The students will provide their own transportation to the school. Daily attendance is required. Students wishing to enroll in this class should have a genuine interest in a career in education.

SCIENCE

ENVIROMENTAL SCIENCE (2022-2023 School Year)

LENGTH: ONE TERMS

GRADE: 10-12

PREREQUISITE: Biology 1 and Biology 2

DESCRIPTION: Students will develop a basic knowledge and understanding of the concepts of environmental science to include: weather, geography, climate & human cities, climate change and human impact: extinction vs. evolution, & ecosystems and invasive species

BIOLOGY

LENGTH: TWO TERMS

GRADES: 9-12

PREREQUISITES: Physical Science: Chemistry 1

DESCRIPTION: This course provides a thorough background in characteristics of living things, nutrients, energy & biochemical processes, homeostasis & human body systems, disease & disruption of homeostasis, comparative reproduction, genetics, biotechnology & decision-making.

PHYSICAL SCIENCE EARTH & SPACE

LENGTH: ONE TERM

GRADES: 10-12

PREREQUISITES: Biology

DESCRIPTION: Students will develop a basic knowledge and understanding of the concepts of earth and space science to include: origins of the universe and our solar system, Earth's interior and plate tectonics, landscapes and surface processes, & geologic history and origins of life.

PHYSICAL SCIENCE CHEMISTRY

LENGTH: ONE TERM

GRADES: 9

DESCRIPTION: Students will develop a basic knowledge and understanding of the concepts of Chemistry, including but not limited to: matter, atomic structures, periodicity, chemical bonding, chemical reactions, energy, reaction rates, equilibrium, and chemical quantities.

PHYSICAL SCIENCE PHYSICS

LENGTH: ONE TERM

GRADES: 9

DESCRIPTION: Students will develop a basic knowledge and understanding of the concepts of Physics subjects include but are not limited to momentum, Newton's laws, electromagnetic waves, forces, electricity, and magnetism.

PHYSICAL SCIENCE ASTRONOMY

LENGTH: ONE TERM

GRADES: 10-12

DESCRIPTION: The word Astronomy conjures up fantastic images of distant galaxies, ringed planets, exploding stars, or comets streaking across the sky. Maybe it brings you back to a moment when you took the time to look up at those points of light called stars and wondered if, maybe someone far out there somewhere was looking back in your directions, wondering the same thing. Astronomy can be a very complicated science, top heavy with physics and math. That is not how this class is presented. This Astronomy class is for the curious amateur astronomer that can do simple Algebra.

WILDLIFE MANAGEMENT

LENGTH: ONE TERM

GRADES: 10-12

DESCRIPTION: This course provides a thorough background in basic wildlife concepts and principles including importance of wildlife & its industry, science and technology, habitat management, and enjoying wildlife: citizen responsibilities. This course is recommended for students looking to learn more about careers or is interested in wildlife management.

CHEMISTRY 2**LENGTH: ONE TERM****GRADES: 11-12****PRE-REQUISITES: Physical Science: Chemistry 1, Biology, & Algebra 1**

DESCRIPTION: A course designed for students planning to enroll in a four-year college, especially with an interest in the physical or natural sciences. The students will use qualitative and quantitative investigations and laboratory techniques to build on the knowledge and understanding of the concepts of Chemistry gained in Physical Science: Chemistry 1, including but not limited to: matter, atomic structures, periodicity, chemical bonding, chemical reactions, energy, reaction rates, equilibrium, and chemical quantities.

PHYSICS 2**LENGTH: ONE TERM****GRADES: 11-12****PRE-REQUISITES: Completion of or Concurrent Enrollment in Algebra 2**

DESCRIPTION: This course is a problem oriented approach to Classical and Modern Physics. It is concerned primarily with the principles and laws that govern the behavior of the inanimate world. Portions of this course will discuss the principles and mathematical analysis of physics. This course is meant to prepare students for college-level physics, as well as give them an understanding of the world around them. Concepts studied include: scientific method, linear and projectile motion, energy, & collisions.

HUMAN ANATOMY & PHYSIOLOGY**LENGTH: TWO TERMS****GRADES: 11-12****PREREQUISITES: Biology (highly recommended)**

DESCRIPTION: The course covers the study of the levels of organization, support and movement, and the integration and coordination of body systems and structures. Lectures and discussions will provide the framework and the basis for laboratory work. In addition to the text and written exams, there will be laboratory work and lab practical's covering tissues (histology), the skeleton, muscles, and the brain. This class involves dissection including but is not limited to: fetal pigs, cow eyes, cow hearts, sheep brains, frogs and minks. References will be made in discussions and in lab concerning various topics in medical health areas and in areas of sport medicine. This course is a definite recommendation for anyone interested in nursing, coaching, athletic training and physical education, health related professions and medicine. Time spent per day outside of class studying/reading Anatomy should be 30 minutes or more to maximize your success in this class.

FORENSIC SCIENCE 1**LENGTH: ONE TERM****GRADES: 11-12****PREREQUISITES: Biology**

DESCRIPTION: Introduction to Forensic Science is a lab-oriented course that introduces students to the analysis of evidence associated with matters of the law. Evidence studied includes, but is not limited to, fingerprints, ink, paper, handwriting, shoe prints, hair and fibers, blood typing, DNA, firearms, and bullets and bullet trajectory.

FORENSIC SCIENCE 2**LENGTH: ONE TERM****GRADES: 11-12****PREREQUISITES: Forensic Science 1**

DESCRIPTION: The course will extend upon forms of trace evidence not covered in Forensic Science 1.

SOCIAL STUDIES

CULTURAL STUDIES

LENGTH: TWO TERMS

GRADES: 9-10

DESCRIPTION: This course will focus on providing students with the knowledge and skills needed to function in today's global society. We will study areas of the world, their physical and human characteristics, the relationships between people and their environment, interaction between people and nations, and how and why cultural, political, and social change occurs. This class may be team taught where students who need more academic team support have an additional special needs teacher available.

WORLD HISTORY

LENGTH: TWO TERMS

GRADES: 9-10

DESCRIPTION: The first term includes the experience and culture of three basic historical periods – the Ancient, Classical and Medieval Worlds. From the earliest humans living in agricultural villages, using tools of wood, bone, shell, and stone into a much richer and more varied social organization called “civilization”. Students will be introduced to the following topics: Beginnings of Civilization, Ancient Egypt, Greece, Rome, China, Japan and the Middle Ages. The second term continues from the Renaissance and Reformation through Exploration, the Enlightenment, Imperialism, Global Transformation to the Present, emphasizing technology, dominance and diversity and globalization. This class may be team taught where students who need more academic team support have an additional special needs teacher available.

VITAL ISSUES

LENGTH: ONE TERM

GRADES: 9-12

DESCRIPTION: Vital Issues will help students understand and make decisions about the issues of the day from local to international. After an introduction to critical thinking and problem solving, students will participate in choosing, examining, and proposing solutions to issues or problems that concern Americans today. Various methods of research and presentation will be used to provide a variety of experiences for students. Students will use a daily newspaper as one of their resources.

ECONOMICS

LENGTH: ONE TERM

GRADES: 10-12

DESCRIPTION: This course is a survey course introducing students to both microeconomic and macroeconomic concepts. It will help students understand how our economic system and the world economy works and the roles of government, labor, capital and leadership. Students will have many hands-on activities using reasoning and analytical skills. This is an excellent course for students planning on attending college, especially in the area of business or related fields.

PSYCHOLOGY

LENGTH: ONE TERM

GRADES: 10-12

DESCRIPTION: This course is intended to help the student better understand himself/herself and all of the external and internal forces that influence him/her. Each student will learn about the history of psychology, perception, intelligence, basic research methods, learning, memory, human development, motivation-emotion, abnormal psychology and/or clinical-counseling psychology

SOCIOLOGY**LENGTH: ONE TERM****GRADES: 10-12**

DESCRIPTION: Sociology is the study of human society and how interactions shape the world in which we live. This course is designed to help students to understand how society guides one's actions and life choices. Students will look beyond commonly held beliefs & find the hidden meanings of everyday interactions. Course topics include a study of family life, groups/conformity and social norms, gender roles, culture, deviance and crime in society where students participate in a Mock Crime/Trial.

AMERICAN GOVERNMENT**LENGTH: ONE TERM****GRADE: 12**

DESCRIPTION: This course is designed to prepare people to be active participants in our system. We will examine the principles of government; their origins, purposes, and development. Emphasis will be placed on the people within the political systems; their roles and problems. We will also focus on contemporary affairs and problems and develop judgments and solutions in these areas, especially our ties to the rest of the world.

HISTORY THROUGH MEDIA**LENGTH: ONE TERM****GRADES: 9-12**

DESCRIPTION: History Through Media is a course designed to expose students to major events throughout history. This course will use a variety of media (films, biopics, documentaries, investigative journalism, TV shows, etc.) Students will gain a deeper understanding of historical events and how the media has approached significant issues in history. Course topics include civil rights, pop culture, terrorism and genocide. Students will be asked to interpret the events, and see the relationships between "reality" and "representation" in the media's portrayal of the event.

US HISTORY**LENGTH: TWO TERMS****GRADE: 11**

DESCRIPTION: In this course students study the history of the United States since Reconstruction to the present. We will focus on the political, economic, and social events and issues related to a variety of events from Westward Expansion, Industrialization/urbanization, the World Wars, and the Roaring 20s to the Great Depression, to reform movements such as the Civil Rights movement. Students are expected to use critical thinking skills, analyze historical documents, and complete projects detailing important topics in U.S. History.

AP US HISTORY**LENGTH: THREE TERMS****GRADES: 11-12**

DESCRIPTION: The AP U.S. History course focuses on the development of historical thinking skills (chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative) and an understanding of content learning objectives organized around seven themes, such as identity, peopling, and America in the world. In line with college and university U.S. history survey courses' increased focus on early and recent American history and decreased emphasis on other areas, the AP U.S. History course expands on the history of the Americas from 1491 to 1607 and from 1980 to the present. It also allows teachers flexibility across nine different periods of U.S. history to teach topics of their choice in depth.

MODERN US HISTORY**LENGTH: ONE TERM****GRADES: 9-12**

This course is designed to continue to build upon concepts developed in previous studies of U.S. History. Students in this course will begin studying US history from the Vietnam War to the present day. Students will use primary and secondary sources related to a variety of events. The course then gives major emphasis to the interaction of key events, people, and political, economic, social, and cultural influences in national developments from the late nineteenth century through the present. Students are expected to trace and analyze chronological periods and examine the significant themes and concepts in US. History.

SKILLS/ACADEMIC SUPPORT/OTHER

ACT PREP

LENGTH: ONE TERM

GRADES: 9-12

DESCRIPTION: This course is designed to help students improve their skills in areas covered by the ACT test. Students will gain an understanding of the test format, learn strategies for taking the test, and self-monitor progress through frequent practice exams. English, math, and science teachers will provide guidance for tests within their subject areas.

EXCEL

LENGTH: 1-3 TERMS

GRADES: 9-12

DESCRIPTION: Excel is a class designed for students who have been identified as at-risk. Class time is dedicated to giving students extra help with their personal and academic needs. Issues addressed in this course are study skills, organizational skills, behavioral/social skills, personal goal-setting, building positive relationships, and becoming better problem solvers. Students with credit deficiencies may earn one credit for this course. Permission must be granted by counselors or administration for students to enroll in this course.

RESOURCE

LENGTH: 1-3 TERMS

GRADES: 9-12

DESCRIPTION: Individualized education program for students who have qualified for the Special Needs Program. This course is for Special Needs Program students only.

ELL

LENGTH: 1-3 TERMS

GRADES: 9-12

DESCRIPTION: ELL (English Language Learners) is a course in which students work to become better readers, writers, speakers, and listeners of the English language. Each student is taught beginning at their individual English proficiency level, so expectations and goals are highly individualized. In this course, the teacher also supports the students' general education learning and tutors or reteaches them as needed in general education coursework. (This is a required course for students who qualify for ELL services.)

ENRICHMENT SEMINAR

LENGTH: 1-3 TERMS

GRADES: 9-12

PRE-REQUISITES: Identified Talented and Gifted Students Based on District Criteria

DESCRIPTION: This course is designed to challenge students in a program of independent study.

TRANSITIONAL/VOCATIONAL EDUCATION I

LENGTH: ONE TERM

GRADES 10-12

DESCRIPTION: This course is a one term, one credit elective course designed for special needs students. This course is designed to help the student explore his/her own ideas and feelings toward self and others. The student will develop strategies to assist with everyday interpersonal situations. It is designed to help students explore various career options, begin to form a relationship between individual abilities and certain career choices, and develop preliminary job seeking skills. Problem solving skills will also be practiced within.

TRANSITIONAL/VOCATIONAL EDUCATION II**LENGTH: ONE TERM****GRADES 11-12**

DESCRIPTION: This course is designed as a third step in preparation for a vocation following high school. This exploration phase offers the student an opportunity to experience two to three work sites per term, in their community, in conjunction with classroom instruction. They attend work 2 days a week. The classroom content expands the student's job seeking and work behavior skills. Class is held at least once every other week. Continuation of these skills can occur during the on-the-job experience phase through work study.

COUGAR CORE**LENGTH: ONE TERM****GRADES 9-12**

DESCRIPTION: 'Core' skills are essential to employees' career longevity as well as establishing and maintaining positive relationships throughout life. This class will address the 'essential' criteria to not just survive, not thrive in life. The time is now to develop and embrace these essential life skills to be part of the change we need to see in the world. Understanding the value of these core skills in the wider world and in the context of your ongoing future careers and life...

Skills addressed include, but not limited to: Conflict management, communication, delegation, role clarity, engagement, self-motivation, maximizing productivity of self and others, listening, giving and receiving feedback, managing stress...

LEADERSHIP**LENGTH: ONE TERM****GRADES: 10-12**

DESCRIPTION: This course prepares students to meet the challenges of leadership in today's environment. The coursework will teach students the skills and best practices necessary to communicate and work with people toward common goals. This course challenges students to examine their own leadership actions and aspirations. Students will develop and enhance intrapersonal and interpersonal skills as well as learn fundamentals of effective leadership.

WORLD LANGUAGE

SPANISH 1

LENGTH: TWO TERMS

GRADES: 9-12

DESCRIPTION: Spanish 1 teaches the fundamentals of Spanish to aid the student in understanding spoken and written Spanish. Everyday situations, Spanish culture and civilization are emphasized in each unit. This course is directed to the student who has a basic understanding of English with a C or better in their current English class and has an interest in learning the basics of an additional language for their enjoyment or for college pre-requisites.

SPANISH II

LENGTH: TWO TERMS

GRADES: 10-12

PRE-REQUISITES: Spanish 1

DESCRIPTION: Spanish 2 extends the understanding of the skills and vocabulary learned in Spanish 1. Vocabulary knowledge will be increased and verb constructions and grammar from the first year will be refined. This course is recommended for all students who have completed Spanish 1 with a grade of C or better and intend to enroll in college.

SPANISH III

LENGTH: TWO TERMS

GRADES: 11-12

PRE-REQUISITES: Spanish 2

DESCRIPTION: This course is designed to allow motivated students to use the Spanish acquired to discuss issues in their lives and the world around them. The students will also read and discuss the history, culture and current events of various Spanish-speaking countries. The continuation of grammar will be included in this course. This class is available for students who have completed Spanish 2 with a grade of C or better.

SPANISH IV

LENGTH: TWO TERMS

GRADES: 12

PRE-REQUISITES: Spanish 3

DESCRIPTION: This course continues the study of grammar, literature, history, and culture from Spanish 3. The focus is on composition and oral performance.

****The following courses are with the Pre-Nursing program offered through NICC and held on the NICC campus every other day. All 4 of these courses will be offered at NICC in the mornings before the regular school day. It is advised that students enroll in all four courses but it is not mandatory.**

COURSE: CERTIFIED NURSE AIDE “Concurrent Enrollment” LENGTH: TWO NICC TERMS GRADES: 11-12

NICC: CERTIFIED NURSE AIDE CATALOG #: HSC:172 1CREDIT

PRE-REQUISITES: QUALIFYING PLACEMENT SCORES (43 on Reading Test)

DESCRIPTION: The course is designed to provide the knowledge and practical skills necessary to provide care and service to residents in long-term care facilities by preparing individuals to become efficient, caring members of the health-care team. Thirty hours of theory will consist of classroom lecture regarding the cares provided by a Certified Nurse Aide. Fifteen hours in a laboratory setting will provide “hands on” experience of competencies prior to attending 30 hours in a clinical setting. The clinical experience provides students the opportunity to experience resident care in the long-term care environment. Upon successful completion of this course students will be eligible for state licensing and can test out of skills. This course is a prerequisite for the NICC nursing clinical coursework and several other Nursing programs. (1 WDHS credit will be awarded for this course.)

COURSE: INTRODUCTION TO NUTRITION “Concurrent Enrollment” LENGTH: ONE NICC TERM GRADES: 11-12

NICC: INTRODUCTION TO NUTRITION CATALOG #: PNN: 270 1 CREDIT

PRE-REQUISITES: QUALIFYING PLACEMENT SCORES (70 on Reading Comprehension)

DESCRIPTION: This course emphasizes a practical knowledge of good nutrition and some knowledge of diet therapy. It includes a background of adequate and accurate information on basic nutritional needs of the body. This course is a required course for the Nursing program at NICC. (1/2 WDHS credit will be awarded for this course.)

COURSE: DOSAGE CALCULATIONS “Concurrent Enrollment” LENGTH: ONE NICC TERM GRADES: 11-12

NICC: DOSAGE CALCULATIONS CATALOG #: PNN: 200 1 CREDIT

PRE-REQUISITES: QUALIFYING PLACEMENT SCORE: ACCUPLACER 44 or HIGHER ON ELEMENTARY ALGEBRA

DESCRIPTION: Includes a review of fractions and decimals, conversions of metric, apothecary and household units and computations of drug dosages. The classification of drugs affecting each body system will be an integral part of this course. This course is a required course for the Nursing program at NICC. (1/2 WDHS credit will be awarded for this course.)

COURSE: MEDICAL TERMINOLOGY “Concurrent Enrollment” LENGTH: ONE NICC TERM GRADES: 11-12

NICC: MEDICAL TERMINOLOGY CATALOG #: HIT: 140 1 CREDIT

PRE-REQUISITES: QUALIFYING PLACEMENT SCORES (70 on Reading Comprehension)

DESCRIPTION: This course is the study of medical terminology as the language of medicine with emphasis on word analysis, construction of definitions, pronunciation and spelling of medical terms. This course is a required course for: Radiologic Technology, Health Information Technology, Medical Lab Tech, Surgical Tech, and Medical Transcription. It is also a support course for: Respiratory Therapy and Nursing. (1 WDHS credit will be awarded for this course at the completion of the spring term.)