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CENTRAL LYON COMMUNITY SCHOOL DISTRICT

MULTICULTURAL - NON-SEXIST

It is the policy of the Central Lyon Community School District not to discriminate on the basis of race, sex, national origin, creed, age, marital status or physical disability in its educational programs, activities, or employment policies as required by Title VI and VII of the 1964 Civil Rights Act, Title IX of the 1972 Education Amendments, and the Federal Rehabilitation Act of 1973.

It is also the policy of this district that the curriculum content and instructional materials utilized reflect the cultural, racial, and sexual diversity present in the United States and the various careers, roles and life styles open to women as well as men in our society. One of the objectives of the total curriculum and teaching strategies is to reduce stereotyping and to eliminate bias on the basis of sex, race, ethnicity, religion, and physical disability. The curriculum should foster respect and appreciation for the cultural right, duties, and responsibilities of each individual as a member of a multicultural, nonsexist society.

Inquiries regarding compliance with the above policies may be directed to the Director of the Region VII Office of Civil Rights; Department of Health, Education and Welfare; Kansas City, Missouri, or the Compliance Officer of the District as appointed by the Board of Education.

GENERAL INFORMATION

CLASS LOAD

The minimum class load will be 6 full credit subjects each semester, plus physical education for all students. (Band or chorus may be counted as a subject). Students in both band and chorus must also take 4 academic subjects.

All physically able students shall be required to participate in the PE program for a minimum of one-eighth unit during each semester they are enrolled except as otherwise provided in this paragraph. A student may be excused from this requirement by the principal of the school in which the student is enrolled under one of the following circumstances:

1. The student is enrolled in a cooperative, work-study, or other educational program authorized by the school which will require the student's absence from the school premises during the school day.
2. The student is enrolled in academic courses not otherwise available. The student and their parent or guardian will be required to complete a Physical Activity Contract which can be obtained in the Guidance office. The principal shall inform the superintendent that the student has been excused.
3. The student has provided the school a Doctor's note excusing them from PE.

REQUIREMENTS FOR GRADUATION

Students must have earned at least 48 credits to graduate (this includes May Term).

Also, students must pass:

- 4 years of English (including a semester of Speech)
- 3 years of Math
- 3 years of Science including (Physical Science and Biology or Applied Biology)
- 3 years of Social Studies including (World History/Geography, U.S. History, Government, and Economics)
- .1 semester of Computer Applications, .1 Semester of Money Matters
- 4 years of Physical Education

LANGUAGE ARTS

ENGLISH I (RAI Core Courses)

2 Credits

Full Year Course

Required for all 9th Grade

During the first semester, the freshmen will be using *McDougal, Littell Literature*, Orange Level, which includes a variety of fiction and nonfiction, poetry, and drama. They will read the Shakespearean drama *Romeo and Juliet*. The students will read the novel *To Kill A Mockingbird*.

During the study of short stories, students will be introduced to numerous literacy terms, the understanding of which is necessary to adequately discuss the reading selections. The goal for this semester is to have students understand the make-up of a short story or novel, the elements that can be found within the work, and the ideas (themes) that can be extracted through interpretive thinking.

The material read during this quarter exposes the students to various cultures and ethnic groups. They have an opportunity to read about the plights of those people who struggle for recognition or independence. The stories also offer an insight into lifestyles outside the Midwest. Through careful reading the students can not only learn from the reading but also experience lifestyles of people in parts of our country and the world.

During the second semester, Grammar and Composition is required for all Freshmen. In this course the students are given a review of traditional Grammar; including the parts of speech, parts of a sentence, phrases and clauses. The students then move on to word usage and correct use of verbs and pronouns.

ENGLISH II (RAI Core Courses)

2 Credits

Full Year Course

Required for all 10th Grade

English composition for the first twelve weeks is a continuation of the basic grammar, which is covered, in the second semester of the ninth grade. Emphasis is placed on sentence revision, paragraph development, and composition writing. Mechanics, including punctuation and capitalization, will also be taught/reviewed.

The remainder of the second quarter and the third and fourth quarters will be an in-depth study of various literary genre. Students will add to the literary terms introduced in the freshman year and utilize them in the analysis of the works read. The text book, *McDougal, Littell Literature* contains the majority of the material the students will read. After a unit on the short story, students will read *The Pearl*, *A Raisin in the Sun*, and Shakespeare's *Julius Caesar*. Novels to be read will be *Lord of the Flies*, a novel examining man's relationship with one another and with society, and *When the Legends Die*, a novel about cultural heritage.

ENGLISH III (RAI Core Courses) 1 Credit One Semester Course
Required for all 11th Grade (1st Semester)

The first quarter of English III deals with American Literature, primarily poetry and short story. The second quarter deals with grammar. During both semesters, students work with vocabulary to improve reading skills and test scores.

BASIC WRITING I (RAI Core Courses) 1 Credit One Semester Course
Elective for Grades 11 and 12

Focuses on first-level skills of effective paragraphs. Students will progress to business letters and resumes. By the end of the semester students will compose short essays.

THE NOVEL (RAI Core Courses) 1 Credit One Semester Course
Elective for Grades 11 and 12

The goal of the course is to explore classic and contemporary novels dealing with basic human experiences such as maturing, learning self-awareness, developing relationships with others, and examining a person's place in society. Both traditional classics, such as *Great Expectations*, and contemporary classics, such as *Catch 22*, *One Flew Over the Cuckoo's Nest* and *The Great Gatsby*, will be read.

SPEECH (RAI Core Courses) 1 Credit One Semester Course
Required in Grade 10, 11, or 12 or Speaking Fundamentals

The purpose of speech is to help students feel more comfortable speaking when in front of an audience by learning how to plan, prepare, and present a variety of speeches. Types of speeches include impromptu, demonstration, informative, and persuasive.

SPEAKING FUNDAMENTALS (RAI Core Courses) 1 Credit One Semester Course
Required for Grades 10-12 or Speech

This course introduces elements of speech and principles of effective speaking. Emphasis is placed on understanding communication, interpersonal speaking skills, and performance and skills in preparing and presenting a public speech.

THE NOVEL II (RAI Core Courses) 1 Credit One Semester Course
Elective in Grade 11 or 12

This one-semester elective course for Seniors will be an independent reading course with grade determined by contract. Students will select works from a pre-determined reading list and after the reading of each novel will demonstrate understanding through written and/or oral reports. Although The Novel is not a prerequisite, students are encouraged to take it prior to enrolling in the Novel II.

READING AMERICAN LITERATURE(RAI Core Courses) 1 Credit Half Year Course
Elective in Grades 11 and 12 (2nd Semester)

This course studies American Literature from the 1600s to the present. Building comprehension and vocabulary skills will be emphasized.

COLLEGE COMPOSITION (RAI Core Courses)

1 Credit

One Semester Course

Elective for Grade 12

The college composition course seeks to help students achieve competence in written and spoken English. Some of the study is a review of skills previously taught but not always learned or retained. Emphasis is placed on sentence structure and writing skills.

A partial requirement of the course is a research paper to assist the college-bound senior. The paper centers on gathering information and using that research to support an argument thesis. In addition, a series of compositions will be written.

JOURNALISM (RAI Core Courses)

1 or 2 Credits

Full or Half Year Course

Elective in Grades 11 and 12

The purpose of the class is to assist in the preparation of the yearbook and school newspaper. Journalistic skills, such as news writing, editorial writing, editing, and making headlines are taught. Students are required to write news articles and complete yearbook layouts.

To take this class, a student will be required to have a 3.0 GPA or higher in their high school English courses, or submit a news article that could be used for the school newspaper with a positive critique by the English department.

MATHEMATICS

The freshmen class is ability-grouped in their mathematics classes of General Math, Pre Algebra, or Algebra I.

Math Progressions:

- 1) Gen. Math, Pre-Algebra, Basic Geometry
- 2) Algebra I, Basic Geometry, Geometry, Algebra II
- 3) Algebra I, Geometry, Algebra II, Advanced Math or Calculus

GENERAL MATH

2 Credits

Full Year Course

General Math is available to freshmen with below average mathematical skills, through instruction of this course, the student will:

- improve their mathematical skills.
- understand the need of mathematics in the world of work
- obtain a feeling of success in performing mathematics.

Students will be expected to work realistic problems focusing on real application of mathematics.

PRE ALGEBRA

2 Credits

Full Year Course

Pre-requisite: 8th grade math or General Math – Grades 9 and 10

This class is designed for a transition into the Algebra I course. Students must have successfully completed eighth grade math or one year of general math. Students will cover topics such as: algebraic expressions, working with factors, fractions, and exponents, solving equations and inequalities, solving linear functions, finding area and volume, and also working with right triangles.

ALGEBRA I (RAI Core Courses) 2 Credits Full Year Course
Pre-requisite: 8th Grade Math or Pre Algebra

This is a course extending basic mathematical concepts to the use of variables. Solving problems with an unknown will also be presented. Students assigned to this class must have a sound math background and will improve their logical thinking. This course provides the fundamentals of a standard algebra course: simplifying variable expressions, solving equations, graphing linear and quadratic equations, and problem solving.

ADVANCED MATH 2 Credits Full Year Course
Pre-requisite: Algebra II – Grade 11 & 12

This class is for students who would like to take a fourth year of math but do not wish to take calculus. The topics in this class will cover pre-calculus topics; ACT prep; history of math; and real world situations. The student will cover topics in Trigonometry, Discrete math, Analytic Geometry, and algebraic functions. The book uses numerous examples, real-world examples, graphs, diagrams and other illustrations that help students visualize concepts.

BASIC GEOMETRY 2 Credits Full Year Course
Pre-requisite: Pre-Algebra. - Elective in Grades 10, 11, or 12

GEOMETRY (RAI Core Courses) 2 Credits Full Year Course
Pre-requisite: Algebra I. - Elective in Grades 10, 11 and 12

In this course, the student will:

- 1) Work with points, lines and planes
- 2) Use reasoning and proof
- 3) Work with parallel and perpendicular lines
- 4) Solve problems with congruent triangles
- 5) Study relationships within triangles
- 6) Solve problems involving quadrilaterals
- 7) Find area, surface area & volume of geometric figures
- 8) Solve problems using trigonometry

ALGEBRA II (RAI Core Courses) 2 Credits Full Year Course
Pre-requisite: Algebra I and Geometry

Algebra II is the third class in our series. You must take Geometry as a prerequisite to Algebra II. Algebra II will cover the topics:

- 1) Tools of Algebra
- 2) Functions, Equations, & Graphs
- 3) Linear Systems
- 4) Matrices
- 5) Quadratic Equations and Functions
- 6) Polynomials
- 7) Radical Functions
- 8) Exponential and Logarithmic Functions
- 9) Rational Functions
- 10) Quadratic Relations
- 11) Sequences and Series
- 12) Probability and Statistics
- 13) Periodic Functions and Trigonometry
- 14) Trig Identities and Equations

Algebra II is the prerequisite to Calculus. You will need to take this class during May Term if you plan on taking Calculus the following year.

CALCULUS (RAI Core Courses) 2 Credits Full Year Course
Pre-requisite: Algebra I, Geometry, Algebra II - Elective Course

This course covers a wide range of topics that integrates pre-calculus topics with calculus topics. The early part of the book covers the basic concepts of functions and, in particular, algebraic functions. After that, the book covers the core concepts of calculus such as limits, derivatives and integrals. Later in the book, we study exponential, logarithmic and trigonometric functions and how those apply to calculus. This class will cover all topics that are covered in a first semester college calculus class.

CONSUMER/BUSINESS MATH 2 Credits Full Year Course
Pre-requisite: Pre-Algebra Grades 11 and 12

This class will cover topics in mathematics that relate to business and personal finance. It will cover topics such as checking accounts, insurance, taxes, the stock market, loans, and much more. We have not selected a textbook for this class yet so we can't list all of the topics that will be covered.

AP*CALCULUS (AB) (RAI Core Courses) 2 HS Credit/ 3 College Credits Full Year Course
Pre-requisite is Algebra II and instructor's approval. **College credits are dependant on receiving a 3 or above on the end of year AP exam.**

This class is a full year course and the content is comparable to a calculus I course at colleges and universities. It is expected that the students that take this course will seek college credit from an institution of higher learning. To get college credit, students will need to take a comprehensive final exam that is administered within the first two weeks of May each year. The result of that test determines if they will receive college credit.

The student will also receive high school credit for taking this class. So, even if they do not do well enough on the test to receive college credit, they will still get their high school credit assuming they have passed the class.

This class will be extremely challenging and have a very demanding work load.
Daily attendance is very important.

SCIENCES

EARTH SCIENCE – (RAI Core Courses) 2 Credits Full Year Course
Pre-requisite: Applied Biology; Biology Grades 11 and 12

Earth Science is a science course that explores origins and the connections between the physical, chemical, and biological processes of the earth system. Students experience the content of Earth Science through inquiry-based laboratory investigations and focus on topics associated with matter, energy, crystal dynamics, cosmic evolution, and structure, cycles, geochemical processes, and the expanded time scales needed to understand events in the earth system. Earth Science provides the knowledge, skills, and habits of mind needed for problem solving and ethical decision making about scientific and technological issues.

PHYSICAL SCIENCE (RAI Core Courses) 2 Credits Full Year Course
Required for Grade 9

Physical Science is a year long, full credit, required course, available to freshmen with no pre-requisite. Through instructions in this course the student will:

- practice laboratory skills and use safety procedures in the physical science laboratory.
- understand physical laws explaining the relationship between matter and energy.
- illustrate observation and experimentation are the basis of scientific inquiry and experimentation.
- realize many technological developments utilize the properties of light and sound.
- understand the effective use of energy now and in the future is linked directly to scientific knowledge and human resourcefulness.
- examine a variety of physical science careers.

Students will be expected to show a competency in laboratory procedures and safety as well as account for the basic physical science concepts.

APPLIED BIOLOGY

2 Credits

Full Year Course

Required for Grade 10 or Biology

This biology is for students who wish to learn and understand the basic components of biology. It is not recommended for the college bound student.

Biology is a year long, full credit, required course, available to sophomores with no pre-requisite. Through instruction in this course, the student will:

- use and care for the tools of the biology laboratory, especially the microscope and dissecting tools.
- understand the classification of living organisms into a five kingdom system
- understand basic concepts of the chemistry of life.
- recognize the cell and its function as the basic structure and function of life.
- be able to understand the structure and function of the single celled organisms to the multi-celled organisms.
- examine a variety of life science careers.
- implements applied biology activities.
- understand the various systems of the human body.

Students will be expected to show a competency in laboratory procedures and safety as well as account for the basic biology concepts.

BIOLOGY (RAI Core Courses)

2 Credits

Full Year Course

Required for Grade 10 or Applied Biology

One of two options to fulfill the requirement of sophomore biology.

This course is designed as an inquiry-based curriculum. It not only provides students with an ability to understand fundamental principles, but allows students to apply these principles to their everyday lives. Through instruction in this course, students will:

- learn about the various life processes and how they occur
- distinguish between living and nonliving things
- recognize the cell, its part, and their functions
- debate current issues involving various living things
- study the various pathogens and how they are transmitted
- understand the human immune system and how it works
- examine means for preventing and curing disease
- learn about various diseases and their genetic links
- students will examine the expression and inheritance of traits
- understand modern genetics
- know DNA as the blueprints of life and the changes that occur with it
- perform various dissections

- understand various systems of the human body
- learn the events involved in growth, development, and change
- discover external factors that affect organisms
- understand the life cycle

NATURAL RESOURCES
Elective in Grades 11 and 12

1 Credit

One Semester Course

Natural Resources is a semester long, co-educational course, available to Juniors and Seniors with no pre-requisites. Through instruction in this course the students will:

- understand how air, water, land, wildlife, and energy management all impact our environment and humankind.
- understand the role of government agencies and private citizens in resource conservation and pollution control.
- understand how to perform soil test, water tests, and air test.
- be able to identify different types of wildlife.
- study and analyze different habitats.
- analyze outdoor recreation facilities.
- participate in the process of making pure maple syrup.
- participate in the process of planting trees.

The students will be exposed to an extensive hands-on experience in many of the above areas utilizing various different local resources.

HORTICULTURE
Elective in Grades 10, 11, and 12; Limit 15 students

1 Credit

One Semester Course
(2nd Semester)

Horticulture is a semester long, co-educational course, available to sophomores, juniors and seniors with no pre-requisites. Through instruction in this course the student will:

- understand how surroundings affect plant growth.
- understand soils, fertilizers, and irrigation.
- understand the reproduction of plants.
- understand such problems as pests and diseases.
- be exposed to such things as Turf Management, Landscape Design, Floriculture, and Tree Production.
- be exposed to available careers in the areas of Horticulture and Floriculture.
- understand production and marketing methods in the above areas.

The students will be exposed to an extensive hands-on experience in many of the above areas utilizing school grounds.

CHEMISTRY (RAI Core Courses)
Pre-requisite: Algebra I - Elective in Grades 11 and 12

2 Credits

Full Year Course

Through instruction in this course, the student will:

- understand the properties of matter.
- develop proportional reasoning skills.
- perform laboratory experiments to reinforce concepts and to understand the importance of uncertainty in scientific work.

Students will be expected to demonstrate their understanding of matter, they will also be expected to do careful laboratory work and write a report on the results.

Topics covered in this one year course include: identifying chemical and physical changes; naming and writing formulas for substances; the mole concept and molar mass; chemical equations and balancing; applying the mole concept to

balanced chemical equations; Gases - Boyle's Law, Charles' Law Ideal Gas Law; models of the atom; chemical bonding; solutions - molarity.

AP CHEMISTRY (RAI Core Courses)

2 Credits

Full Year Course

Pre-requisite is Algebra II **and** instructor's approval. **College credits are dependent on receiving a 3 or about on the end of year AP exam.**

Through instruction in this course, the student will:

Understand the properties of matter.

Develop proportional reasoning skills.

Perform laboratory experiments to reinforce concepts and to understand the importance of uncertainty in scientific work.

Determine study strategies that will help students succeed at the next level.

Students will be expected to demonstrate their understanding of matter, they will also be expected to do careful laboratory work and write a report on the results. Topics covered in this one year course include: identifying chemical and physical changes; naming and writing formulas for substances; the mole concept and molar mass; chemical equations and balancing; applying the mole concept to balanced chemical equations; Gases – Boyle's Law, Charles' Law Ideal Gas Law; models of the atom; chemical bonding; solutions – molarity, atoms, molecules, and ions, atomic theory of matter, reactions in aqueous solutions, thermochemistry, electronic structures of atoms, periodic properties, molecular geometry, chemical kinetics and equilibrium, properties of solutions, and acids and base equilibria.

PHYSICS (RAI Core Courses)

2 Credits

Full Year Course

Pre-requisites: Algebra I, Geometry, Algebra II

Elective in Grade 12

Minds On Physics (MOP) is an activity-based, full year course. The activities are designed to help students learn to use physics concepts to analyze and solve problems, and to curb students' natural tendency to learn by rote and to engage in formula manipulation. Working in groups, students use concepts to analyze problem situations and answer open-ended questions, explore the meaning of concepts through inquiry and hands-on activities, and share personal reflections on prior experiences.

The course covers two full books- the first book covers Motion (velocity, speed, acceleration, position, distance, displacement), and the second book covers Interactions (vectors, forces, Newton's laws of motion, free-body diagrams). Part of a third book is covered titled Conservation Laws and Concept-Based Problem Solving.

ANATOMY & PHYSIOLOGY (RAI Core Courses) 2 Credits

Full Year Course

Pre-requisite: 2 semesters of Chemistry (C or above average)

This advanced science course is designed for students to investigate the structure and function of the human body and its components, as well as to realize its amazing design. This course will be a comprehensive and in-depth study of the systems of the body such as the skeletal, muscular, nervous, cardiovascular, endocrine, respiratory, digestive, urinary and reproductive systems. Anatomy and Physiology is taught as a combination of lecture/discussion with some laboratory work as well. The course is primarily open to seniors and is recommended for those interested in pursuing studies in the nursing, medical and science therapy fields.

PRINCIPLES OF ENGINEERING/ROBOTICS (RAI Core Courses) 2 Credits

Full Year Course

Elective: Grades 11 & 12

Pre-requisites: Physical Science, Biology, Algebra I, & Geometry

This survey course of engineering exposes students to some of the major concepts they'll encounter in a postsecondary engineering course of study. Students have the opportunity to investigate engineering and high-tech careers and to develop skills and understanding of course concepts. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design

to create solutions to various challenges. Students also learn how to document their work and communicate their solutions to peers and members of the professional community. This course will also involve the study of engineering principles through the use of robotics. Class members will be invited to join our current FTC teams. Through the robotics portion of the course, students will also be introduced to basic programming with National Instruments LabView for Lego Mindstorms and Robot C programming platforms. Students will also learn how to design, scan, and print using 3D technology.

SOCIAL STUDIES

AMERICAN HISTORY (RAI Core Courses) 2 Credits Full Year Course
Required for Juniors

Students will study American History from reconstruction to the present. Students will be expected to gain an understanding of the present day U.S. and the world by studying the social, political, economic, military, and geographic events and trends of the past.

AMERICAN GOVERNMENT (RAI Core Courses) 1 Credit One Semester Course
Required for Seniors

Students will develop a basic knowledge of world governments and an in-depth understanding of our governmental system. We will thoroughly examine the U.S. Constitution and how its principles have been applied throughout history to create our current governmental structure. Political parties, the election process, and our responsibilities as citizens will also be covered.

ECONOMICS (RAI Core Courses) 1 Credit One Semester Course
Required for Seniors

Students will develop a basic understanding of economic principles and an in-depth knowledge of our economic system. Topics to be covered include personal finance, financial markets, fiscal policy, the Federal Reserve System, and international trade.

SOCIOLOGY (RAI Core Courses) 1 Credit One Semester Course
Elective in Seniors

Students will examine groups and how they influence our behavior. Students will gain a basic understanding of social institutions, socialization, social problems, and social movements. Additional topics will include adolescence, deviance, race, education and religion. This is a college prep course and is recommended for those planning to attend a four year college.

PSYCHOLOGY (RAI Core Courses) 1 Credit One Semester Course
Elective for Juniors and Seniors

Preference is given to seniors. Students will examine how individuals act, think, and relate to each other in order to obtain a better understanding of human behavior. Topics covered include learning, altered states of consciousness, mental illness, therapy, and stress. This is a college prep course and is highly recommended for those planning to attend a four year college.

WORLD HISTORY/GEOGRAPHY(RAI Core Courses) 2 Credits Full Year Course
Required for Sophomores

World history tells the stories of people, events, and institutions from the earliest civilizations to modern times. Focus will be placed on the beliefs of those in the past, the ways they met their economic needs, the social and political institutions they formed, and the culture they transmitted from one generation to another.

This course also integrates the teaching of Geography and History. Geography is not taught as a separate subject but is included in every lesson as needed, through maps, diagrams, photographs, and text descriptions.

BUSINESS & COMPUTER/OFFICE EDUCATION PROGRAM

With input from a vocational advisory committee and in partnership with Northwest Community College of Sheldon, IA, we offer students a technical education program containing three-sequential units in the area of General Business.

BUSINESS EDUCATION PROGRAM

ACCOUNTING 2 Credits Full Year Course
Elective for Grades 11 and 12

This course is articulated statewide to any Iowa community college. High school accounting is a MUST if you plan any career in business areas and is also recommended for those going into medical or ag-related fields. Students will complete transactions using online workbooks. In addition to accounting for a service and merchandising business, students also learn about banking, checking accounts, salary deductions, depreciation, income taxes, and complete a year-end simulation. Accounting is described as a language of business.

INTRODUCTION TO BUSINESS 1 Credit One Semester Course
Emphasis: Marketing
Elective for Grades 10,11 & 12 (2nd Semester)

Business marketing is designed to give an overview of business marketing, including marketing technology, global marketing, ethics, and customer service. This class will involve a lot of discussion and a variety of computer and “hands-on” activities. Students will learn and use *Adobe Photoshop* for print advertisements. We will work in conjunction with a local business or organization on a school-to-career marketing project.

BUSINESS & PERSONAL LAW 1 Credit One Semester Course
Elective for Grades 10,11 & 12

Business Law affects each of us on a daily basis, when buying a car, obtaining jobs, renting apartments, or obtaining credit. Contract law, criminal & civil law, personal injury law, and history of law are a few of the topics. The class incorporates discussion of current law-related events and will attend a sentencing hearing at the federal court house in Sioux Falls. Students write an argumentative essay on a law-related subject of their choosing.

COMPUTER/OFFICE PROGRAM

MONEY MATTERS

Required of 9th Grade

1 Credit

One Semester Course

Students will be introduced to the financial skills they need to make, manage, multiply, and protect their hard-earned money through Chad Foster's *Financial Literacy for Teens* curriculum and NEFE High School Financial Planning Program. Students will also participate in a regional Stock Market Game competition.

COMPUTER APPLICATIONS

Required of 9th Grade

1 Credit

One Semester Course

Students will use advanced features of *Microsoft Word* and *Excel*, research an AEA online resource and present findings, and create a digital citizen web quest. File management and 10-key will also be included. Course will also build a fundamental working knowledge of computer coding/programming.

ADVANCED COMPUTER APPLICATIONS

Elective for grades 10, 11, and 12

Pre-requisite: Computer Applications

1 Credit

One Semester Course

We will begin with basic photo editing and advance to imaging options such as layers, masks, filters, and various color settings using Adobe Photoshop, which has been described as "an industry standard for graphics professionals." Additional course topics include advanced Microsoft Word, Excel, and Access; use of tech equipment and HTML web pages. Topics may vary based on student interest, class size, and available technology. The semester will end with an individual or group technology project that is proposed by the students and approved by the teacher.

OFFICE TECHNOLOGY

Elective in Grades 11, or 12

2 Credits

Full Year Course

This class is designed to be a hands-on, production-type curriculum in which the student develops and applies skills that will be used in an office setting. Skills included are filing, computer applications, (create, access, use and manage information), ten-key, business English, communication skills, and office machines. We also want to familiarize the learner with critical, information-age office terminology and technology.

WEB PAGE

Elective for grades 10, 11, 12

1 Credit

One Semester Course

Students will learn web design techniques, create and enhance digital images, and locate resources on the Internet; then contribute these skills to creating and managing a portion of the Central Lyon web page. Students will also take and enhance digital images using *Adobe Photoshop*. An option for those interested is to use and learn *audacity* and contribute to the podcast KA-POW.

WEBMASTER:

Elective for grades 11, & 12

Pre-requisites: Web Page class or May term Audacious Web Tools class, & special permission from instructor.

1-2 Credits

One or Two Semester Course

Students will edit and proofread student-created web articles, in addition to planning and creating KA-POW podcasts and polls for www.centrallyon.org. This position requires attention to detail, a high interest in computers, and the ability to work independently. Limited number accepted for this role.

FOREIGN LANGUAGE

SPANISH I(RAI Core Courses)

2 Credits

Full Year Course

Elective in Grades 9-12

Spanish I is an introductory course. The main emphasis is on oral communication but reading and writing activities are incorporated into each unit as well. Each of the 15 units has a basic theme from which the instructional material is taught. These units consist of vocabulary exercises, grammar concepts, cultural presentations, reading activities and writing activities. In Spanish I they will learn how to use the present, future and past tenses, how to conjugate regular and irregular verbs and how to use adjectives and object pronouns.

One half hour is expected in daily preparation. Grading is based 1/2 on quizzes, written work and unit tests, and 1/2 is based on oral communication and classroom participation.

SPANISH II (RAI Core Courses)

2 Credits

Full Year Course

Pre-requisite: Spanish I- Elective for Grades 10-12

Although the emphasis is still on oral communication, the students will delve more deeply into the grammar of year one and add the preterit of irregular verbs, the commands, the imperfect and the subjunctive. The students will be expected to write more detailed compositions. Speaking in the target language will also be expected. One half hour of daily preparation is expected. Grading is based 1/2 on oral communication and classroom participation, and 1/2 on written work, tests and quizzes.

SPANISH III (RAI Core Courses)

2 Credits

Full Year Course

Pre-requisite - Spanish II

We will continue with the same grammar but more extensively. The present perfect, the past perfect, the conditional and the past subjunctive will be introduced. Students will apply their knowledge in compositions and projects, and through testing and speaking proficiencies. With the exception of explaining new grammatical techniques, students will be expected to speak in the target language at all times. Grading is based on ½ oral communication and classroom participation and ½ written work, tests and quizzes.

SPANISH IV (RAI Core Courses)

2 Credits

Full Year Course

Pre-requisite: Spanish III

Students will have a general review of all grammar and will learn the finer points of the language. They will be exposed to music, literature and art from various Spanish-speaking countries. Spanish will be spoken at all times. As in previous years grading is based on ½ oral communication and classroom participation and ½ written work, tests and quizzes.

THE AP SPANISH LANGUAGE COURSE (RAI Core Courses)

2 HS Credit/ 3 College Credits Full Year Course

Pre-requisite: will be Spanish III **and** instructor's approval. **College credits are dependant on receiving a 3 or above on the end of year AP exam.**

This course will help to prepare students for the AP Spanish Language Examination. The course will be conducted entirely in Spanish and the students are encouraged to practice the target language. The course will consist of a grammar review and reading and discussing short stories in Spanish. Throughout the year the class will be practicing the skills needed for the exam such as reading, listening, speaking and writing by using authentic materials. In May the students will be expected to take the AP Spanish Language Exam.

FAMILY AND CONSUMER SCIENCES

With input from a vocational advisory committee and in partnership with Northwest Community College of Sheldon, IA, we offer students a technical education program containing three-sequential units in the area of Family and Consumer Sciences.

FAMILY LIVING 1 Credit One Semester Course
Elective for Grades 9, 10, 11, and 12

This course develops a life plan including pathways to knowledge and skills needed to achieve individual, family and career goals relating to Family and Consumer Science.

Areas to be covered: (1) Personal Development and relationships (2) Families (3) Child care and development (4) Foods, Nutrition, and Wellness (5) Food Preparation and Careers.

INTRO TO TEXTILES & APPAREL 1 Credit One Semester Course
Elective for Grades 9, 10, 11, and 12

This course introduces students to the knowledge, skills, and practices needed for life or careers relating to textiles and apparel.

Areas to be covered: (1) Impact of clothing (2) Design basics (3) Fibers and Fabrics (4) Sewing Fundamentals (5) Careers in textiles.

FOODS 1 Credit One Semester Course
Pre-requisite: Family Living
Elective for Grades 10, 11, and 12

Areas to be covered: (1) history of foods (2) nutrition - food analysis (3) dietary planning (4) food preparation (5) Safe food handling (6) Food related careers (7) Food Science.

TEXTILES 1 Credit One Semester Course
Pre-requisite: Intro to Textiles and Apparel
Elective for Grades 10, 11, and 12

This course uses prior knowledge and skills from Intro to Textiles and Apparel to complete advanced sewing projects. Advanced sewing, projects chosen by students, of various kinds.

HOMES BY DESIGN 1 Credit One Semester Course
Elective for Grades 11 and 12

Areas to be covered: Architectural Home Designs, History of Homes, Understanding Design of Interiors, Furniture Styles, Creating Your Own Dream Home.

TODAY'S FAMILY 1 Credit One Semester Course
Elective for Grades 10, 11, and 12

Areas to be covered: (1) teen-agers today and decision making (2) dating (3) engagement (4) human sexuality (5) marriage (6) parenthood (7) current family issues.

SINGLE SURVIVAL

1 Credit

One Semester Course

Elective for Grade 12 (Seniors only)

Areas to be covered: (1) clothing maintenance and care (2) nutrition (a) familiarizing them with basic cooking utensils and their uses (3) food preparation (4) finances and management of individual resources.

CHILD DEVELOPMENT

1 Credit

One Semester Course

Pre-requisite: Family Living

Elective for Grades 10, 11, and 12

Areas to be covered: (1) Parenting (2) Pregnancy and Birth (3) The First Year (4) Ages One to Three (5) Ages Four to Six (6) Caring for Children (7) Children of special needs (8) Developmental stages of children.

INDUSTRIAL TECHNOLOGY

With input from a vocational advisory committee and in partnership with Northwest Community College of Sheldon, IA, we offer students a technical education program containing three-sequential units in the area of Construction Trades.

*** Cost of Supplies for projects will be at student's own expense.**

***All students will supply their own safety glasses or purchase them from the school.**

***All students will supply their own tape measure.**

*** INTRODUCTION TO INDUSTRIAL TECHNOLOGY** 2 CreditsFull Year Course

Elective in Grades 9, 10, 11 and 12th

This is a comprehensive course offered to all students who have had no technology courses. The course will emphasize an introduction to woodworking and hand tool usage, portable power tool usage and stationary power tool usage. It is also an introduction to general shop safety and cleanup, proper tool usage, assembly operations, design consideration, and ordering specifications. Experiences are provided to aid students in developing competent technical skills in woodworking and related areas. *Features: required projects and elective projects.

*** EXPLORING CONSTRUCTION TECHNOLOGY**

1 Credit

One Semester Course

Pre-requisite: Introduction to Industrial Technology

Elective in Grades 10, 11, and 12

Construction Technology is a semester long, co-educational, elective course, available to sophomores, juniors, and seniors. Through instruction in this course the student will:

- understand all facets of basic carpenter construction.
- understand how to read floor plans and blue prints for building construction.
- understand how to formulate project plans including a bill of materials, and cost estimates.
- understand and practice all facets of wood fasteners (nails, screws, dowels, etc.).
- be exposed to available careers in the field of carpentry.
- practice shop skills (including proper use of tools) and use shop safety at all times.

*Features: scale model garage and plans, small carpentry projects.

*** APPLIED WOOD TECHNOLOGY** 1 Credit One Semester Course
Pre-requisite: Intro to Industrial Technology
Elective in Grades 10, 11, or 12

The course is designed for the student who works to further regard wood applications. Students will develop and research technical skills. Special emphasis will be put on cabinet making and introduction on power tools, special setups, and tool safety. *Features: required door, drawer project, night stand.

*** APPLIED WOOD TECHNOLOGY II** 1 Credit One semester Course
Pre-requisite: Applied Wood Technology – Elective in grades 10, 11, or 12

A continuation of Applied Wood Technology. Will be required projects.

INTRODUCTION TO COMPUTER AIDED DRAFTING (CAD) 1 Credit One Semester Course
Elective in Grades 10, 11, and 12

Introduction to Computer Aided Drafting is a course designed to give students hands on experience with tools and machines of drafting technology. Using traditional and computer drafting equipment the students will learn a written language where ideas are expressed graphically by a combination of views and symbols. *Features: getting started in drafting, both manual and computer use.

ARCHITECTURAL CAD 1 Credit One Semester Course
Pre-requisite: Intro to Computer Aided Drafting - Elective in Grades 10, 11 and 12

Architectural CAD is an advanced course designed for a student who has taken the introduction class. The class studies the design factory that is used to develop a residential structure. The students will design a series of structures that will include symbols and details. *Features: students develop a 1500 square foot home.

MECHANICAL CAD 1 Credit One Semester Course
Pre-requisite: Intro to Computer Aided Drafting - Elective in Grades 10, 11 and 12

Another Drafting Course designed for the students who would like another drawing option. Mechanical CAD will deal with shapes, measurements, figuring angles and scaled drawings. Various kinds of graphic problems with pictorial designs will be stressed. Drawings associated with mechanical objects, automotive parts and equipment parts will be detailed.

*** METAL FABRICATION** 1 Credit One Semester Course
Pre-requisite: Introduction to Industrial Technology
Elective in Grades 11 and 12

Metal Fabrication is a semester long, co-educational, elective course, available to juniors and seniors. Through instruction in this course the student will:

- understand the many types and gauges of metal and many of their uses.
- understand the following forms of welding: Arc, Wire Feed, Oxy-Acetylene, Brazing, and other state of the art welding methods.
- understand the different methods of metal bending and cutting including torch cutting and plasma cutting.
- understand and practice proper technique for the above mentioned types of welding.
- be exposed to available careers in the area of metal fabrication.
- understand and practice project planning including: project design and construction, bill of materials, and cost estimate.
- practice shop skills and use safety practices in the area of metal fabrication

*Features: mass production, business like setup of fold-up saw horses. Projects can vary from year to year.

VOCATIONAL AGRICULTURE

With input from a vocational advisory committee and in partnership with Northwest Community College of Sheldon, IA, we offer students a technical education program containing three-sequential units in the area of Agriculture.

VOCATIONAL AGRICULTURE I

2 Credits

Full Year Course

Vocational Agriculture is a year long, co-educational, elective course, available to freshmen with no pre-requisite. Through instruction in this course the student will:

- understand all facts of the Animal Science production industry including beef production, sheep production, swine production.
- understand problem solving methods involved in livestock production.
- understand the importance of meat production to our society.
- be exposed to careers available in the Animal Science industry.
- understand the Future Farmers of American organization.
- realize many technological changes taking place in the Animal Science industry.
- practice shop skills and use safety practices in the area of farm construction: carpentry.

Students will be expected to show a competency in shop skills and safety as well as account for the basic Animal Science and FFA concepts.

VOCATIONAL AGRICULTURE II

2 Credits

Full Year Course

Pre-requisite: Vocational Agriculture I

Vocational Agriculture II is a year long, co-educational, elective course, available to sophomores with Vo.Ag.I as a pre-requisite unless previously arranged). Through instruction in this course the student will:

- understand all facets of the Plant Science Industry including Corn Production, Soybean Production, Oats Production, Weed Science, Alfalfa Production, Crop Rotations, and Diversification.
- understand problem solving methods involved in Plant Science.
- understand the importance of fiber production to our society.
- to be exposed to careers available in the Plant Science industry.
- realize many technical changes taking place in the Plant Science industry
- continue advancing in sales principles.
- practice shop skills and use safety practices in the area of Farm Construction: beginning welding,
- Students will be expected to show a competency in shop skills and safety as well as account for the basic Science Concepts.

VOCATIONAL AGRICULTURE III

2 Credits

Full Year Course

Pre-requisite: Vocational Agriculture I and II

Vocational Agriculture III is a year long, co-educational, elective course, available to Juniors with Vo.Ag. I and Vo.Ag. II as pre-requisites (unless previously arranged). Through instruction in this course the student will:

- understand all facets of Ag. Marketing, Co-ops, Agri-Business, Natural Resources, Land Measurement, Concrete construction, and Advanced Welding.
- understand problem solving methods involved in the previously mentioned areas.
- be exposed to careers available in all of the previously mentioned areas.

- realize the many technical changes taking place in the Agri-Business, Ag. marketing, and Metals and Concrete Construction Industries.
- Continue advancing in all areas of the FFA.
- Practice shop skills and use safety practices in the area of farm construction: concrete construction and advanced welding.

AGRI-BUSINESS

1 Credit

One Semester Course

Elective in Grade 12

(1st Semester)

Ag. Business is a semester long, co-educational course available to Seniors with no pre-requisites. Through instruction in this course the student will:

- understand the different types of economic systems.
- understand the various different types of business procedures and concepts.
- understand the physical distribution of a product line.
- understand the different sales techniques.
- understand advertising and marketing techniques.
- understand employment information and the importance of human relations.
- understand various bookkeeping methods.
- be exposed to the many career opportunities available in this field.

AG CONSTRUCTION

Elective in Grades 10,11 and 12

1 Credit

One Semester Course

Pre requisite: Industrial Tech I or Metal Fabrication

In this course the student will utilize their pre-requisite background and interests in the production of carpentry and welding related projects. A certain amount of time will also be utilized for understanding basic electricity and plumbing.

ART EDUCATION

DRAWING

1 Credit

1 Semester

Elective: Grades 9 - 12

Introduction and exploration of various techniques in drawing. Students will learn to add shape and depth to their artwork and will use different applications including pencil, colored pencil and pastels.

CERAMICS

1 Credit

1 Semester

Elective: Grades 9-12

Introduction and exploration of various techniques involving clay. Course will cover hand building and wheel building techniques as well as the application of finishing glazes. Sculptural techniques will be applied in many ways for several different finished products.

PAINTING

1 Credit

1 Semester

Elective: Grades 9-12

Introduction and exploration of various painting techniques. Students will study and use acrylics, tempera, watercolor and oil based paints and work with a number of ways of applying paint to several surfaces. Students will spend some time viewing, discussing and evaluating the work of famous artists as well as their own works.

SCULPTURE/3D DESIGN

1 Credit

1 Semester

Elective: Grades 9-12

Course will focus on different mediums available for 3-dimensional art. Plaster, wood, glass and other mediums will be used. Students will view famous works and artists as well as create their own designs.

COMPUTER AIDED ART

1 Credit

1 Semester

Elective: Grades 9-12

Course will build knowledge and skills in creating art via a computer. Graphic designing techniques, animation, and Photoshop are some of the topics that will be covered. Graphic design introduces students to art in the design and selling of ideas and products. Students solve specific problems and use a variety of media to communicate a visual message.

WORK STUDY**WORK STUDY**

1 Credit

One Semester Course

Pre-requisite: May Term's Work Place Readiness - Elective in Grade 12

Work Study allows seniors to work two consecutive periods a day at a work site in the community. This provides an opportunity for students to explore an occupational area they may want to pursue following high school or college graduation. There is no pay for this work experience other than the chance to gain valuable on-the-job training from experts in the field.

Students are also expected to carry their own insurance. See Mrs. Harman for more details.

This course is one of the few in the curriculum that is graded ' Pass/Fail '.

HEALTH EDUCATION**HEALTH I**

1 Credit

One Semester Course

Elective: Must have biology as prerequisite, Grades 11 and 12

(1st Semester)

The following areas will be covered in Health I along with a field trip: Self-Responsibility for Wellness, Understanding the Body, Support and Control Systems, Energy and Transport Systems, Endocrine and Reproductive System, Mental Health, Promoting Mental Health, Mental Disorders, Stress Management, Family and Social Health, Healthful and Responsible Relationships, Adulthood, Marriage and Parenthood, Growth and Development, From Conception to Adulthood, Toward Completion of the Life Cycle, Nutrition, Healthful Eating, and Making Decisions about Food.

HEALTH II

1 Credit

One Semester Course

Pre-requisite: Health I –

(2nd Semester)

Elective: Must have biology as prerequisite, Grades 11, and 12

Health II will consist of the following areas: Exercise and Fitness, Benefits of Physical Fitness, Designing your Physical Fitness Plan, Drugs, Lifestyle Free From Drug Misuse and Abuse, Lifestyle Without Alcohol Use, Tobacco Free Lifestyle, Diseases and Disorders, Communicable Diseases, Cardiovascular Health, Planning for Health Care, Safety and First Aid, Personal Safety, Emergency Care, Community and World Health, Environmental Health.

DRIVERS EDUCATION

DRIVERS EDUCATION

No Credit

Taught during summer months

State guidelines are followed which require each student to attend a minimum of 30 hours of classroom study and six hours of behind the wheel instruction. Each student must also have a valid learner's permit. Subjects covered include city driving, freeway driving, and driving under adverse conditions. A student must pass both the classroom and driving portions with a least a C average to get a passing grade.

MUSIC EDUCATION

BAND

1 Credit

Full Year

Band is open to all students who have instrumental music training and is an integral part of life at Central Lyon. It is the largest voluntary student organization and has four objectives:

- Cultural - To continue the development of music appreciation and understanding through the study and performance of the best in music.
- Educational - To develop interested and discriminating listeners and provide a well-rounded musical background.
- Service - To lend color and atmosphere to certain athletic and community affairs, while promoting and enhancing the dignity and reputation of Central Lyon at all concert appearances.
- Recreation - To provide all students with an opportunity for worthy use of leisure time, an emotional outlet and good social experiences.

Each student is given an opportunity to participate in marching Band. In addition, Jazz Band is offered and participation is by audition. Stage Band is offered to all beginning jazz players. Ensemble playing and solo work is available to all that want to participate.

CHORUS

1 Credit

Full Year

Vocal Music at Central Lyon is open to any student who wishes to participate and is willing to accept the responsibility of working in a group. It should be stressed that vocal music is not required and that therefore only students with a sincere desire to sing will be allowed to participate. An attempt is made to hold all rehearsals during the school day, but when necessary (especially with regard to small groups and solos), practice sessions may be required outside the school day.

Weekly voice lessons are required of all choir members in which they will learn about and work on singing technique. These lessons will be scheduled by the instructor.

Concert Choir is a select, balanced group of dedicated singers meeting up to five days a week. Literature is varied from the classics to contemporary selections. Emphasis is on performing a wide variety of music from different styles and cultures, singing with proper technique, and good musicianship.

Jazz Choir is a small auditioned ensemble meeting two times weekly, once before school, and once during the school day. The literature consists of jazz and swing music. Members must belong to the Concert Choir.

Swing Choir is a small auditioned ensemble which rehearses once a week during the school day. The literature consists of contemporary pop and Broadway music which students will dance to. Members must belong to the Concert Choir. Ensembles are various small groups which rehearse at various times throughout the year. All-State, Small Group Contest, and concerts provide outlets for these groups.

PHYSICAL EDUCATION

FRESHMAN REQUIREMENTS

The physical education curriculum for 9th grade students is set up to develop team work and basic understanding any of the works and strategy of different activities and to develop some degree of competence in these areas: speedball, touch football and field hockey. They also participate in golf, frisbee, a physical fitness unit, volleyball, gymnastics, basketball, wrestling (boys), weight training, handball, pickle ball, bowling, softball, racquetball, obstacle course and badminton, and cross country skiing. A physical fitness test is given in the spring. Most units are co-educational. The students also participate in aerobics.

SOPHOMORE REQUIREMENTS

The 10th grade students start off in the fall with team sports such as physical fitness, field hockey, speedball, and football. Throughout the year they will have frisbee, golf, handball, weight program, fitness unit, gymnastics, volleyball, basketball, wrestling, bowling, racquetball, obstacle course, badminton, pickle ball, softball, rugby, and cross country skiing. A physical fitness test is given in the spring. Most units are co-ed. The students also participate in aerobics.

JUNIOR REQUIREMENTS

The Juniors are exposed to lifetime sports and individual activities which they will be able to use during their lifetime. The students start off with archery in the fall. Throughout the year they participate in badminton, a fitness unit, gymnastics, basketball, volleyball, handball, racquetball, weight-room program, pickle ball, trap shooting, cross country skiing, bowling, obstacle course, and aerobics.

SENIOR REQUIREMENTS

The Seniors are exposed to lifetime sports and individual activities which they will be able to use during their lifetime. The students start off with archery in the fall. Throughout the year they participate in badminton, a fitness unit, gymnastics, basketball, volleyball, handball, racquetball, weight-room program, pickle ball, trap shooting, cross country skiing, bowling, obstacle course, and aerobics.

COLLEGE CREDIT CLASSES-REQUIREMENTS

- Must be enrolled in at least 6 Central Lyon courses prior to enrolling in an online class
- Parents and students must sign a parental information/waiver form
- Students are responsible for acquiring their own textbook or for the cost of the textbook through Northwest Iowa Community College
- Students must register for college credit classes by May 1 for the college transfer courses and by March 1 for CTE courses
- Students who register for a college class after June 1 will be put on a waiting list in case anyone drops
- Students must be proficient on their Iowa Assessments

COLLEGE CREDIT CLASSES-ON CENTRAL LYON'S CAMPUS

HUMAN RELATIONS FOR THE CLASSROOM TEACHER

1 credit/3 college credits

One Semester Course
(2nd Semester)

This course is designed to develop an awareness of the responsibility of educators in establishing educational programs that attempt to develop sensitivity to and understanding of the different cultural/ethnic groups found in a pluralistic society. This course will include a history of the discrimination that many minority groups have encountered in North America and possible educational strategies for dealing with the problems minority groups have encountered in the educational process.

FOUNDATIONS OF EDUCATION

1 credit/3 college credits

One Semester Course
(1st Semester)

Elective for Grades 11 and 12

This course is an examination of teaching as a potential career, discussions of the goals of education, roles of teachers, historical development of education, educational reforms, alternative and current philosophical issues, and human relations aspects of teachings. Successful completion of this course will allow the student to earn dual credit (high school and college). A student must have at least a 2.6 cum. GPA to take this class. The three college credits earned will be through Northwest Iowa Community College in Sheldon.

DIRECTED OBSERVATION – Student observation of education to gain direct insight in the way schools function, roles and responsibilities of teachers, and student behavior.

Prerequisite: EDU210: Foundations of Education; The request for this course is being made because some colleges require hours in the classroom during Foundations of Education. This course is the course NCC combines with Foundations of Education to meet that requirement.

College Credit Classes through the ICN

College Composition I (RAI Core Courses)

1 HS credit/3 college credits

One Semester Course

Prerequisite: Is only open to seniors and they must be enrolled in Grammar or have taken Grammar at the same time as College Composition I.

You will develop skills in written communication through various experiences including expository, persuasive, and research papers. Instruction will also include basic research and documentation skills.

College Composition II(RAI Core Courses)

1 HS credit/3 college credits

One Semester Course

Prerequisite: Composition I

This course focuses on helping you develop advanced writing skills in order to compose analytical and persuasive essays. You will use advanced research and critical thinking skills to respond to and compose essays based on current issues and enduring questions.

Public Speaking (RAI Core Courses)

1 HS credit/3 college credits

One Semester Course

The emphasis in this course is placed on actual speaking experiences. Instruction focuses on the theory of preparation and presentation, application and practice, observation and listening, and on the giving of critical feedback. Types of speeches assigned will include informative, persuasive and special occasion.

Intro to Sociology (RAI Core Courses) 1 HS credit/3 college credits One Semester Course

This course introduces you to the field of sociology which is the study of the relationship between the individual and society. Topics covered include culture, social organization, groups, deviance, race, and ethnicity and methods of affecting social change. Language and methods are discussed

Intro to Psychology (RAI Core Courses) 1 HS credit/3 college credits One Semester Course

This course provides exposure to a variety of topics in exploring and studying the human experience. Coverage includes basic neuroanatomy, perception, memory, personality, emotion, learning, psychological disorders, social diversity, and attention is also given to the language and methods of psychology.

Western Civ- Ancient to Early Modern (RAI Core Courses)
1 HS credit/3 college credits One Semester Course

This course is a survey of the evolution of Western Civilization from prehistory to the emergence of the nation-state. Topics include the birth of the first civilization; Greece and Rome; the rise of Christianity; the disintegration of the Roman Empire; and the Early, High and Late Middle Ages.

Western Civ-Early Modern to Present (RAI Core Courses)
1 HS credit/3 college credits One Semester Course

This course is a survey of the evolution of Western Civilization from the rise of the nation-state to the present. Major topics include the French Revolution and the Age of Napoleon; 19th century developments such as liberalism, the Industrial Revolution, socialism, nationalism, and imperialism; and the great wars and upheavals of the 20th century.

College Algebra (RAI Core Courses) 1 HS credit/4 college credits One Semester Course
Prerequisite: Two years of high school algebra are required.

This course is designed to strengthen and expand the algebra skills required for further mathematical study in trigonometry and calculus. The emphasis is on using the concept of an algebraic function to model real-life situations. Different types of models including linear, polynomial, exponential, and logarithmic models are presented along with the supporting algebraic skills and procedures. You are required to have a graphing calculator for this course.

Developmental Psychology 1 HS credit/3 college credits One Semester Course

This course provides an overview of human development through the lifespan. Topics covered include prenatal, infant, early childhood, middle childhood, adolescence, and all stages of adulthood. Physical, cognitive, psychological, and social development are considered at each stage in the lifespan in an interactive manner. The language and methods of developmental psychologists are discussed.

Abnormal Psych 1 HS credit/3 college credits One Semester Course
Prerequisite: Introduction to Psychology

This course introduces the language and treatment methods of abnormal behaviors, those outside of the range of normal human experiences. Topics covered include disorders affecting mood, anxiety, personality, and substance use. Other topics include schizophrenia, mental retardation, autism, and cognitive disorders as well as legal and ethical issues.

College Credit Classes—Online

There are a variety of online classes offered through NCC. If you are interested in an online class, please see Mrs. Harman for further details.