

Tri County Schools

2004-2005

Curriculum Outline



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**REGISTRATION GUIDELINES
2004-2005**

Read the Curriculum Outline carefully. Please pay close attention to the descriptions of the classes that you are interested in taking. Be sure you understand what is required of you for those classes: prerequisites, fee, equipment, etc. You may ask questions of teachers about their classes during planning periods prior to registration, or you may confer with Mrs. Dunker prior to registration.

Each student will go through the registration process. You should have a good idea of what you want to take before you come to the Guidance Office to register. Students will be called by intercom. We will start at the beginning of the alphabet in each class.

KEEP IN MIND:

1. All sophomores are required to take World Geography; all juniors must take American History; and all seniors must take American Government. Juniors and seniors may take World History, Modern Problems and/or Leadership as electives.
2. English is required each year grades 9-12.
3. Each student must have three years of math in grades 8-12. Included among the courses you may take to fulfill this requirement are: Algebra I, Geometry, Advanced Algebra, Applied Mathematics, Business Math, FST, Pre-Calculus.

DATES FOR REGISTRATION:

Incoming Seniors	- Thursday, February 12
Incoming Juniors	- Friday, February 13
Incoming Sophomores	- Monday, February 16
Incoming Freshmen	- Wednesday, February 18
Incoming Eighth Grade	- Thursday, February 19
Incoming Seventh Grade	- Tuesday, February 17 (in 6 th Grade classroom)

Incoming students from Western and St. Paul's, Plymouth, will be invited to register on Wednesday, February 18, at 2:00 p.m.

Thursday, February 19 (p.m.), will be used to register any students who may have been absent.

TENTATIVE COURSE OFFERING - 2004-2005

AGRICULTURE/AGRIBUSINESS

Intro to Ag/Agribusiness
Animal Science I - 1st Semester
Animal Science II - 2nd Semester
Horticulture - 1st Semester
Landscaping/Nursery/Greenhouse - 2nd Semester
Natural Resources/Wildlife - 1st Semester
Agribusiness Management - 2nd Semester
Agricultural Tech. I (Metals)
Agricultural Tech II (Advanced Metals)

BUSINESS EDUCATION

Keyboarding 7
Intro to Microcomputers 8
Accounting I
Accounting II
Information Processing/Computer I
Business Theory and Law
Introduction to Business
Business Management/Communications

COMPUTER EDUCATION

Computer II

DRIVER'S EDUCATION

Driver's Education - Summer

ENGLISH

Language Arts 7
Language Arts 8
English 9
Sophomore English I
Sophomore English II
Junior English I
Junior English II
Senior English I
Senior English II

FINE ARTS

Art 7
Art I
Art II - 2D Design/3D Design
Art III - Advanced Art/Independent Study
Jr. High Band
Sr. High Band
Jr. High Vocal Music
Sr. High Chorus

FOREIGN LANGUAGE - SPANISH

Spanish 8
Spanish I
Spanish II
Spanish III
Spanish IV

INDUSTRIAL TECHNOLOGY

Woods Technology I/Drawing Technology I
Advanced Woods Technology
Drafting/CAD/CNC
Carpentry - 1st Semester
Small Engine Repair - 2nd Semester

MATHEMATICS

Mathematics 7
Algebra I - Grade 8
Advanced Algebra
Geometry
Applied Mathematics 9-12
Business Math
Functions, Statistics, Trigonometry (FST)
Pre Calculus & Discrete Mathematics (PDM)

PHYSICAL EDUCATION/HEALTH

Physical Education/Health 7
Physical Education/Health 8
Physical Education/Health 9
Advanced Physical Education (Grades 10-12)
Weightlifting (Grades 10-12)

SCHOOL-TO-WORK APPRENTICESHIP BLOCK (Grade 12) (with Board of Education approval)

SCIENCE

Life Science 7
Earth Science 8
Physical Science 9
General Life Science
General Biology
Advanced Biology
Ecology
Chemistry
Advanced Chemistry
Physics

SOCIAL STUDIES

World History - Grade 7
American History/Nebraska History - Grade 8
American History - Grade 11
World History
World Geography
American Government
Modern Problems
Leadership

THE CISCO NETWORKING ACADEMY PROGRAM

Cisco I
Cisco II

TEACHER AIDE/OFFICE AIDE

REQUIRED COURSES - GRADES 9-12

English 9
Sophomore English I or Sophomore English II
Junior English I or Junior English II
Senior English I or Senior English II

Three years of math are required for graduation (Grade 8 Algebra I counts as one of those credits.) (Computer classes cannot be used for math credit.)

Physical Science, General Life Science, or General Biology (must take two)

World Geography
American History
American Government

Physical Education/Health 9

Minimum of 80 hours of electives.
Students must register for seven of eight class periods.

*For your information and planning purposes, University of Nebraska-Lincoln, Kearney, Omaha admission requirements are:

- 4 years - English
- 4 years - Mathematics (must include Algebra I, II, Geometry, and one additional unit that build on algebra or geometry).
- 2 years of one foreign language
- 3 years - Science (at least two units from Physical Science, General Life Science, General Biology, Chemistry, and Physics)
- 3 years - Social Studies

JUNIOR HIGH COURSE OFFERINGS

Eighth Grade:

Language Arts 8
Algebra I
Earth Science
Social Studies (American History - Grade 8)
Physical Education/Health
Spanish (one semester)
Microcomputers (one semester)
Vocal Music or Band

Seventh Grade:

Language Arts 7
Mathematics 7
Life Science
Social Studies (World History - Grade 7)
Physical Education/Health
Keyboarding (one semester)
Art (one semester)
Vocal Music or Band

GRADUATING CLASS DETERMINATION/CREDIT EARNED

Your anticipated date of graduation and graduating class designation is based on the number of credits that you have earned to date. This designation is determined by the number of credits a student can typically earn in a school year and still, realistically, graduate in four years. The categories are as follows:

Freshman (9th Grade) - must have passed minimum of 100 credits (50 per year) in junior high

Sophomore (10th Grade) - 50+ credits

Junior (11th Grade) - 100+ credits

Senior (12th Grade) - 150+ credits

A total of 220 credit hours are needed to graduate. This includes 140 hours of required classes and 80 credit hours of elective classes.

While junior high credits do not count toward high school graduation, a minimum number of credits must be passed to be promoted to the next grade level. Seventh graders are expected to pass 50 credits to be considered an eighth grader, and eighth graders are expected to pass another 50 credits to be promoted to high school (thus the 100 credits mentioned above to be considered a freshman in high school).

Keep in mind, required courses (whether junior high or high school level) must be passed. While a student may be promoted to the next grade level, he/she may be repeating a course(s) from the previous year(s).

STUDENT REGISTRATION INFORMATION

(Student's Name)

- I. Graduation Requirement: 220 Hours (minimum requirement)
8 Semesters of attendance required

English 40 Hours	Social Studies 30 Hours
Math 30 Hours	P.E./Health 10 Hours
Science 20 Hours	

- II. Prerequisites for Upper Level Courses - See specific course requirements listed on the following pages.

- III. Students must register for at least 7 classes and 1 study hall or 8 classes (Senior High level).

GRADE NINE

1. English 9
2. Physical Science
3. Geometry/Algebra I
4. P.E. & Health
5. _____
6. _____
7. _____
8. _____

GRADE ELEVEN

1. Junior English I or Junior English II
2. American History
3. 3rd Year Math/4th year Math
4. _____
5. _____
6. _____
7. _____
8. _____

GRADE TEN

1. Sophomore English I or II
2. World Geography
3. General Biology/General Life Science
4. Geometry/Advanced Algebra
5. _____
6. _____
7. _____
8. _____

GRADE TWELVE

1. Senior English I or Senior English II
2. American Government
3. 3rd year Math/4th year Math/5th year Math
4. _____
5. _____
6. _____
7. _____
8. _____

AGRICULTURE/AGRIBUSINESS

The following classes are offered through the agriculture/agribusiness department. You do not need to be from a farm or agriculture background to enroll or enjoy these classes. FFA membership is open to anyone enrolled in a class but is not required. Classes will help students prepare for a career or college. Classes will involve many hands-on activities as well as some assignments.

INTRODUCTION TO AG/AGRIBUSINESS - GRADE 9 preference

This year long class is open to any student in grades 9-12. This class is an excellent introduction into all fields of agriculture including: animal and veterinarian science, agribusiness, horticulture, natural resources and wildlife, plants, mechanics, leadership, small animals, business management and computer usage. Classroom instruction will include short units on many different subjects of interest. Highly recommended for first year agriculture students.

ANIMAL SCIENCE I - 1ST SEMESTER - GRADE 10 preference

This semester class is open to any student in grades 9-12. Class will cover basic animal science principals including animal reproduction, nutrition, animal breeds, anatomy, selection, management, artificial insemination, meat industry, veterinarian skills, and general animal science management skills. Aquaculture lab will be used as a small part of the curriculum.

ANIMAL SCIENCE II - 2ND SEMESTER - GRADE 10 preference

This semester class is open to any student in grades 9-12. Class will cover animal nutrition, anatomy, veterinarian work, and special emphasis on small and companion animals including horses, dogs, cats, and aquaculture.

HORTICULTURE - 1ST SEMESTER - GRADE 11 preference

This semester class is open to any student in grades 9-12. This class will cover basic skills in horticulture, greenhouse, and floriculture including plant production and greenhouse use, plant production, fertilizers and chemicals, basic floriculture design and arranging, and house plants. This class will involve many hands-on activities including plant production in a greenhouse, grow chamber and cold frames, household plant production, and many other related activities. Greenhouse crops will include Easter lilies, poinsettias, trees and shrubs, house plants, and all preparation for spring bedding plant production. This class is an excellent combination with the nursery, landscape, and greenhouse class.

LANDSCAPING, NURSERY, & GREENHOUSE - 2ND SEMESTER - GRADE 11 preference

This semester class is open to any student in grades 9-12. This class will cover basic skills in landscaping, nursery, and greenhouse work including planning, design and planting landscapes, plant propagation, fertilizers and chemicals, plant science, ornamentals and plant production. This class will involve hands-on activities including landscaping and greenhouse work. Greenhouse crops will include Easter lilies, hydroponics, over 25 different spring bedding plants, and house plants. This class is an excellent combination with the horticulture class.

NATURAL RESOURCES/WILDLIFE - 1ST SEMESTER - GRADE 12 preference

This semester class is open to any student in grades 9-12. Class will cover basic natural resource and wildlife skills including fish and wildlife management, natural resources conservation and management, wildlife habitat, water resources, soil resources, forestry, ecosystems and food cycles, wildlife and fish species, and other current environmental issues. Aquaculture lab will be used as a small part of the curriculum.

AGRICULTURAL BUSINESS MANAGEMENT - 2ND SEMESTER - GRADE 12 preference

This semester class is open to any student in grades 9-12. This class will cover basic management skills and principals for agriculture, agribusiness including computer applications and telecommunications, records, credit, interviewing and job applications, business analysis and budgeting, marketing and advertising.

AGRICULTURAL TECH. I (Metals) - GRADES 10-12

This class helps to develop skills in handling a wide range of tools in metal working. The course covers areas in sheet metal, foundry, oxyacetylene welding, arc welding, forging, metal lathe, soldering, metal identification, milling, and machining.

Students will be introduced to the world of computer-aided drafting during this course. Students will put either machinists drawing or a project drawing on the CAD. This will allow students to practice skills tests and general shop work. Small projects will be made in forging, sheet metal, lathe, foundry repair, arc welding, and possible others if time permits. Various welding exercises as well as other skills projects will be completed for grading. Elective projects will be done during the last nine weeks.

Requirements: Welding gloves, coveralls, cost of materials for project work will be furnished by the student. Safety glasses will be provided by the school with the student being held responsible. Each student will be assessed a \$2.50 fee in addition to a project materials fee.

Prerequisite: none

AGRICULTURAL TECH. II (Advanced Metals) - GRADES 11-12

This course offers the student a chance to further develop skills in metalworking and design. This course is concentrated mostly on welding skills but students will review the advanced areas of metal lathe and milling machine. All students will be required to put a machinist's drawing with working details on the computer drafting machine. This drawing will be done in class if machines are available; otherwise, some drafting may have to be done out of class. The computer drawing may represent a project which can be done in metals class.

All areas of welding including oxyacetylene, AC-DC arc welding, mig and tig welding will be discussed with written and practical assignments for each. Students will experience such welding practices as aluminum, cast iron, hard surfacing, stainless steel, and other special applications. Students will learn the proper tool and machine maintenance that is so important in a class such as this. Nearly all practicing is done during the first semester with the second semester being used for major project work.

Requirements: Welding gloves, coveralls. The cost of project materials will be furnished by the student. Safety glasses will be provided by the school with students being held responsible. Each student will be assessed a fee of \$5.00 in addition to the products used fee.

Prerequisite: Agricultural Tech. I (Metals)

ART

ART 7

Seventh Grade Art is the foundational art experience for students in the secondary school. Emphasis will be placed on the elements and principles of art. Students will be exposed to a wide variety of media processes, art, history, art theory, and art criticism.

Class activities will include: media processes (project work), lecture, discussion, tests, and quizzes.

Required Materials: notebook and pencils. A lab and materials fee of \$5.00 will be charged to each student.

ART I - Grades 9-12

Art I is the first full year of art in high school. It is required that all students taking art in high school begin with Art I. Art I will be a survey course covering a wide variety of media processes. Emphasis will be placed on art theory, art history, art criticism, and on identification and application of the elements and principles of art.

Class activities will include: media processes (project work), lecture and demonstrations, discussion, and quizzes.

Required Materials: sketchbook for required weekly sketch, pencils, and notebook. Some materials such as fabric, yarn, and found objects will be required for certain projects during the school year. A lab and materials fee of \$10.00 will be charged to each student.

ART II - 2D Design/3D Design (Select one of these options)

The second year of the high school art experience will offer the art student more specialized study in the two basic areas of art processes. Those courses will be called 2D Design and 3D Design. Both 3D Design and 2D Design will be offered for a full school year each. Both 3D and 2D Design will include approximately six weeks of drawing instruction to begin the school year.

Prerequisite: Completion or the equivalent of Art I is required to enroll in 2D Design or 3D Design.

Requirements: A weekly sketchbook will be required for both 2D Design and 3D Design. A lab and materials fee of \$10.00 will be charged to each student.

2D Design will include media processes covering various aspects of drawing, painting, printmaking, graphics, and commercial art. Knowledge of required art history, art theory, and art appreciation will be evaluated through periodic quizzes, discussions, and class critiques.

3D Design will include media processes covering various aspects of sculpture, ceramics, fibers, and stained glass. Knowledge of required art history, art theory, and art appreciation will be evaluated through periodic quizzes, discussions, and class critiques.

ADVANCED ART/INDEPENDENT STUDY - Grades 11-12

Advanced Art/Independent Study is the art course available for students after they have completed Art I and one of the Art II course offerings. Independent Study is intended for those students interested in art as a career or lifetime activity. During the last two years of high school art, a student may not enroll in the same area of independent study both years.

Prerequisite: Art I and one of the Art II course offerings. Instructor's written permission is required to enroll in Advanced Art/Independent Study. A lab and materials fee of \$15.00 will be charged to each Advanced Art/Independent Study student.

All Advanced Art/Independent Study students will take part in six weeks of basic drawing at the beginning of the school year before proceeding to specialization areas.

The Advanced Art/Independent Study student will work directly with the art instructor to develop projects, deadlines, research goals, and evaluation procedure for areas of specialization. The Advanced Art/Independent Study student will select one of the following areas of specialization to study for the entire school year.

Specialization areas available for the Advanced Art/Independent Study student to choose from are: drawing, painting, graphics and commercial art, printmaking, ceramics, fibers, sculpture and stained glass.

Requirement: A weekly sketchbook will be required for all Advanced Art/Independent Study students.

BUSINESS EDUCATION

KEYBOARDING 7

This one semester class is designed to teach seventh grade students the touch typing method of keyboarding including characters, numbers and symbols. The course will also teach correct key stroking and proper use of the function keys as well as care of the equipment. Basic skills are acquired through correct keyboarding techniques and skill building drills for speed and accuracy. Composition at the keyboard, keying short reports and letters, arrangement of tables and other application skills will be emphasized.

INTRODUCTION TO MICROCOMPUTERS - GRADE 8

Description: This is a semester course for the eighth grade students. Topics covered are: introduction to computers, file management, review of word processing, introduction to database, introduction to spreadsheets, introduction to powerpoint and internet applications.

Prerequisite: 7th Grade Keyboarding

INTRODUCTION TO BUSINESS - GRADES 9 & 10

This two-semester course is for any student with a general interest in personal finance and business. The course is an introduction to many aspects of business such as money management, career search, banking, insurance, and the American enterprise system. A simulation will cover basic principals of financial management.

Class Requirements: Students will be expected to do daily assignments and some out-of-class reading in order to be aware of current happenings which affect the business world. Students are also expected to actively participate in class discussions and projects.

Prerequisite: Juniors and seniors may take this course only with the written permission of the teacher.

INFORMATION PROCESSING/COMPUTER I - GRADES 9-12

Information Processing/Computer I exposes the student to organizing, planning, and processing information in a business. The course integrates the use of word processing, database, spreadsheet, and presentation of software. The course provides an understanding of moving files around the computer, saving information, and formatting disks. The course will cover the history of the computer as well as trends in technology. A close study of the Internet and how to use it appropriately will be covered.

The computer software used in this course will be Microsoft Office. Students in this class will be working towards Microsoft Office User Specialist (MOUS) certification. The MOUS program gives the student the credentials needed to prove that they know how to use Microsoft Office applications efficiently and productively.

Prerequisite: One semester of Keyboarding

ACCOUNTING I - GRADES 11 & 12

This two-semester course is for the student who is interested in learning about accounting careers and bookkeeping practices for personal and/or career purposes.

Description: Accounting I provides an understanding of the basic principles of the double entry accounting system. Students will study the accounting cycle for a sole proprietorship, a partnership and a corporation. Some activities in the course include recording transactions, preparing worksheets, financial statements, payroll and studying taxes. Students will be given the opportunity to use computers for completion of selected exercises.

Keeping up with assignments on a daily basis is essential. Organization skills are also learned.

Prerequisite: Student should be a junior or senior

ACCOUNTING II - GRADE 12

This two-semester course is a continuation of the principles learned in Accounting I. The course is designed to help students acquire additional knowledge of accounting procedures and techniques. This course is for the student who is interested in an entry-level position as an accounting clerk, bookkeeper, or who is interested in post-high school study of accounting or business.

If time allows, students will be given the opportunity for hands-on experience with accounting practices on the computer.

Prerequisite: Accounting I with a grade of "C" or above or instructor's and/or administrative permission.

BUSINESS MANAGEMENT - GRADES 11 & 12

This semester course prepares a student for success in the business world as either an employee or an owner. This course is to present the student with a solid foundation about what business is, how it operates, and how it is managed. Topics to be included in this course may be:

1. Business and its Environment
2. Business Ownership
3. Production and Marketing
4. Finance
5. Human Resources
6. Management Functions
7. International Business

Prerequisite: Junior or senior status

BUSINESS COMMUNICATIONS - GRADES 11 & 12

Business Communications is designed to provide skills and knowledge needed for effective communication to achieve personal and business goals. Students will develop human relations skills, as well as communication skills. The course will cover the following units in communication:

1. Communication Theory
2. Reading and Proofreading
3. Editing
4. Letters
5. Reports and other business communications
6. Listening and Speaking
7. Nonverbal
8. Employment communications; including resumes, job applications, employment letters and interviews.

Students will be expected to participate in discussions, role playing, speeches, and group projects. The student should expect outside homework, tests, quizzes, and oral presentations.

Prerequisite: Junior or senior status

BUSINESS LAW - GRADES 11-12

Business Law is a two-semester course designed to help students develop an appreciation for the law and a practical understanding of the legal framework within which individuals function--personally, socially, and in business. The class will also participate in the Nebraska State Mock Trial project.

Business Law affects each of us on a daily basis, whether we are buying a car, taking clothes to the dry cleaners, obtaining a job, renting an apartment, or applying for credit. This class provides a general understanding of how laws affect us as citizens, workers, and consumers.

Class Requirements: Students will be expected to take notes on the chapter discussions. Work on the assignments will be done individually or in small groups. Questions will be done with each chapter and will be graded from time to time. There will be several tests per 9 weeks grading period. Students will be expected to be aware of current happenings pertaining to business law.

Prerequisite: Student should be a junior or senior.

DRIVER EDUCATION

Course Outline: Driver Education is a summer course offered to all students. The course itself is divided into two parts--classroom and actual driving. In the classroom, emphasis is put on the complete understanding of the driver's manual, reaction in simulated accident situations, identification of important driving situations. In the actual driving, emphasis is put on rural, city, and highway driving, with special emphasis on the basic driving operations, stopping, starting, steering, backing, etc.

Class Requirements: The classroom involves about 30 hours of instruction time. The driving instruction allows each student six hours or more actual behind-the-wheel instruction. At the completion of driver education the students will complete a "driving test" that will be the same as the one they would take if given by the DMV.

Prerequisite: Only students fifteen years of age or students fourteen years of age who already have obtained their school permit may take Driver Education. The fee for 2004-2005 will be determined at a later date.

ENGLISH LANGUAGE - LITERATURE

Language arts for grades 7-12 is based on composition, literature, and vocabulary.

LANGUAGE ARTS 7

Composition, the appropriate use of language, and literature are the emphasis in Language Arts 7. Grammar, mechanics, and spelling will be addressed directly and within the context of literature and writing. Particular attention will be given to the sentence.

The McDougall-Littell text, Literature and Language, will be used for literature. It is an anthology of short stories, poetry, and drama appropriate for seventh grade level. Class novels may be used as well. Writing assignments are frequently based on the literature read.

Students are also expected to practice reading skills. The Accelerated Reader assesses and monitors this practice. Reading levels will be assessed and monitored during the year.

Journals will be kept and a spiral notebook of at least 70 sheets is required and will be kept in the classroom. A two-inch three-ring notebook is required to organize class materials and work.

LANGUAGE ARTS 8

Composition, particularly descriptive, appropriate use of language and literature will be the emphasis in Language Arts 8. Grammar, mechanics, and spelling will be addressed directly and within the context of literature and writing. Particular attention will be given the Nebraska Standards of Reading and Writing. A project using reading, writing, and library skills will be required.

The McDougall-Littell text, Literature and Language, will be used for literature. It is an anthology of short stories, poetry, and drama appropriate for eighth grade level. Class novels may be used as well. Writing assignments are frequently based on the literature read.

Students are also expected to practice reading skills. The Accelerated Reader assesses and monitors this practice. Reading levels will be assessed and monitored during the year.

Journals will be kept and a spiral notebook of at least 70 sheets is required and will be kept in the classroom. A two-inch three-ring notebook is required to organize class materials and work.

ENGLISH 9

The emphasis in English 9 will be on composition and the appropriate use of the English language. Grammar, mechanics, and spelling will be addressed within the context of literature and writing. The writing emphasis will be the paragraph in a complete composition.

Weekly vocabulary lessons and quizzes are required. Literature units will include a variety of short stories and books (books may include Mythology, Odyssey, To Kill A Mockingbird). Written responses to literature will be part of the literature grade. Journals will be kept; therefore, each student is to have a small (1/2") three-ring binder for class.

SOPHOMORE ENGLISH I

In Sophomore English I the emphasis will be on literature of many cultures and times. Speech and writing will also be included. Students will be expected to use composition and grammar skills learned in the previous grades.

Grammar and mechanics are covered by correction of personal work and through mini-lessons on particular skills. Vocabulary will be incorporated through the study of literature. McDougall-Littell's Language and Literature will be the main text for the class. Class novels may be used as well. Julius Caesar or Romeo and Juliet by Shakespeare and other works of literature may be used.

SOPHOMORE ENGLISH II

In Sophomore English II the emphasis will be on writing and speech. It will also include the literature of many cultures and time. Students will be expected to use composition and grammar skills learned in the previous grades.

Grammar and mechanics are covered by correction of personal work and through mini-lessons on particular skills. Vocabulary will be incorporated through the study of literature. McDougall-Littell's Language and Literature will be the main text for the class. Class novels may be used as well. The House on Mango Street by Cisneros and other works of literature may be used.

JUNIOR ENGLISH I

In Junior English I the focus of study will be American literature, American authors, and the time periods during which they lived and wrote. The text basis will be the McDougall-Littell's Literature and Language book. In addition, each class may do group readings of selected American novels and/or particular Nebraska authors. During this reading time, students will be in literary circles with rotating, assigned roles and duties to conduct the lessons under the direction of the teacher. Study guides, worksheets, vocabulary, personal reflections, quizzes, and tests will be used in various ways as assessment. The students will also be assessed on the Nebraska Reading and Writing Standards, particularly those focused on literature.

JUNIOR ENGLISH II

In Junior English II the focus will be writing. In this section the students will complete writings using a variety of forms but most especially the persuasive essay in order to meet the Nebraska Reading and Writing Standards 12.2.1-2.5. Also, the students will begin a study and practice of technical writing. Personal response/reflection journals will be kept. A brief research paper may be written in conjunction with the American History class. Correct research writing skills will be used and correct MLA documentation will be expected.

SENIOR ENGLISH I

This course is designed to give students an introduction to what they may expect from a college course. Students will study literary classics from the Ancient Greeks, Middle Ages, Renaissance, and Modern Literature. Selections will include The Iliad, Oedipus Rex, Canterbury Tales, Hamlet, A Tale of Two Cities, and Death of a Salesman.

Composition exercises, based on literature, will include in-class essays, essay exams, and formal papers. Students will be required to write a critical analysis research paper based on three literary works. The final draft must be typed or word processed.

Grammar instruction will be individualized according to the student's need. Weekly vocabulary units are required.

SENIOR ENGLISH II

This course focuses on the kinds of English skills needed in the "real" world. Writing will include preparation for various aspects of business and personal writings, and technical writing. Grammar and writing mechanics will be briefly reviewed and will also be addressed on an individual basis. A rough draft of the Government term paper will be a requirement for this class.

Reading will be done in small groups and will be selected by the students with the approval of the teacher. Daily assignments and discussions will be student led.

Vocabulary lessons will be required. Journal entries will be written periodically.

FOREIGN LANGUAGE: SPANISH

Spanish is offered to all students. Those students who plan to continue their education beyond the high school level will find it advantageous to take Spanish. Many college and university departments have a foreign language requirement for their degree programs. It is often easier to fulfill this requirement (or a portion of the requirement) through high school study rather than college study. Generally, if you are a very good student, one year of high school foreign language is roughly equivalent to half a semester of college-level foreign language. Students planning to attend the University of Nebraska at Lincoln must successfully complete Spanish II in order to meet entrance requirements. Students considering a degree program through the UNL College of Arts & Sciences or the UNL College of Journalism should be aware that these colleges require their graduates to complete 16 hours of foreign language study. Students who complete four years of high school foreign language are exempt from the 16-hour language requirement.

The study of a foreign language can increase students' knowledge of the world around them while providing another positive way for students to successfully communicate in our ever-changing global society. Knowing how to speak Spanish--even basic survival Spanish--is an asset as well as a useful skill for students to possess. It will be even more so as our Hispanic population continues to increase in the United States.

All Spanish classes will focus on several educational goals. Primary focus will be given to the five goals of language learning as are prescribed by the Nebraska Department of Education. The five goals of language learning are:

1. Communication--communicate in languages other than English;
2. Cultures--gain knowledge and understanding of other cultures;
3. Connections--connect with other disciplines and acquire information;
4. Comparisons--develop insight into the nature of language and culture;
5. Communities--participate in multilingual communities at home and around the world.

To achieve these goals several methods of teaching will be used. Scaffolding, total physical response, contextualized input, output and interaction, story-based approaches and community-based learning are some of these methods. Focus, at times, will also be on increasing students' knowledge of grammar, phonetics, and other linguistic structures in their native language. Second language acquisition improves when students understand better the conventions, features, and universal grammar of their native language.

SPANISH 8

Offered as a semester course, this class is designed to introduce students to the world of Spanish. It is also designed to get students excited about studying languages in general. Students will learn a variety of vocabulary and will be able to produce and manipulate basic communicative phrases. Lessons will focus on greetings and introductions, telling time, describing people, naming family members, and discussing the weather. Students will also learn idiomatic expressions, songs, games, and cultural information. Some grammar structures will be introduced, but primary focus will be on verbal communication and listening. Students will be required to make flashcards, family photo albums, and personal dictionaries.

Prerequisite: Willingness to participate actively in class each day. Students should also be prepared to practice what they learn outside of class on a regular basis and to spend time memorizing vocabulary. Appropriate classroom behavior will also be observed.

SPANISH I - GRADES 9-12

Offered as a year-long course, this class is designed to introduce students to some of the basic features and conventions of the Spanish language. Reading, writing, listening and speaking are key elements in any language acquisition, and these will be of primary focus in this class. Students will learn a variety of vocabulary as well as a variety of linguistic structures. Present and future tenses and the nine parts of speech will be covered in this course. Time will also be spent learning about different cultures in which the Spanish language is spoken. Textbooks, music, games, and authentic materials will also be used to enhance the learning environment. Students will be required to make flashcards, personal dictionaries, journals, graphic organizers, portfolios and oral presentations. Students will also read current event articles (from newspapers, magazines, etc.) that deal with Hispanic topics that affect our communities.

Prerequisite: Willingness to participate actively in class each day. Students should also be prepared to practice what they learn outside of class on a regular basis and to spend time memorizing vocabulary. Appropriate classroom behavior will also be observed.

SPANISH II - GRADES 10-12

This course is a continuation of Spanish I, and it will advance previously learned concepts and ideas as well as introduce new ones. The two past tenses of Spanish will be a primary focus as well as the future tense. More verbal and written production of language will be expected, and students will be required to make portfolios, personal dictionaries, graphic organizers and journals. Students will also be required to work in a group setting with a great deal of time spent creating and functioning in a pretend "familia." Television programming, music, games and authentic materials will again be used to enhance learning.

Prerequisite: Willingness to participate actively in class each day. Students should also be prepared to practice what they learn outside of class on a regular basis and to spend time memorizing vocabulary. Appropriate classroom behavior will also be observed. Students must have achieved a "C" or better in Spanish I or have teacher and administrative approval.

SPANISH III & IV - GRADES 11-12

Spanish III & IV are courses which will continue to build upon the previously learned functions, vocabulary, linguistic features, and conventions of the Spanish language. Oral presentations and production will be important goals in these classes. Several of the remaining simple and compound verb tenses will be introduced including the conditional and subjunctive tenses. Vocabulary will be expanded, and learned linguistic structures will be reinforced. Television programming, music, games, field trips, authentic materials and current event news items will all be used to enhance the learning environment in the classroom. Verbal and written production in the target language will be a primary focus. Art projects and reports in the target language will also be required.

Prerequisite: Willingness to participate actively in class each day. Students should also be prepared to practice what they learn outside of class on a regular basis and to spend time memorizing vocabulary. Appropriate classroom behavior will also be observed. Students must have achieved a "C" or better in Spanish II or have teacher and administrative approval.

INDUSTRIAL TECHNOLOGY EDUCATION

WOODS TECHNOLOGY I/DRAWING TECHNOLOGY I

First Semester - This course consists of basic fundamentals of mechanical drawing. In mechanical drawing the student will learn how the men who design buildings and machinery use lines and figures instead of words. Areas to be covered are: Lettering, use of drawing instruments, geometric construction, three view orthographics, working drawings, and occupational information. Students will be required to do a certain number of drawing projects set up by the instructor. At this level of technology drawing, there will be an introduction to the basic computer aided drafting (CAD). Drawings will be completed to reflect skills learned.

Second Semester - This course will provide instruction in the fundamentals of woodworking. Hand tools will be used in the construction of a project of the student's choice. Areas covered will consist of characteristic assembling and finishing. Shop projects will account for 60% of the grade while tests and quizzes comprise the other 40% of the grade.

Requirements: A shop fee of \$2.50 is charged to each student in addition to materials required to construct their projects.

ADVANCED WOODWORKING TECHNOLOGY - GRADES 10-11-12 (any two of the three years)

This course consists of the use of machines in woodworking. A project of the student's choice is required for him/her to design and construct. At this level, the work becomes increasingly specific, and certain instances border on specialization, depending upon the ability and interests of the students. The instruction in these areas will include use and care of tools and machines, safety rules, planning and layout, jointery assembling and finishing. Blue prints and CAD drawings of projects will be required as time permits.

Students will be evaluated on tests, progress, and project evaluation each week and completion of his/her project.

Requirements: Students are required to plan a project, select and purchase his own materials or purchase school materials which are made available for most projects.

Prerequisite: Woods Technology I/Drawing Technology I or permission of instructor. The enrollment in this class is limited to 12 students per class or permission of instructor to exceed this limitation. A shop fee of \$5.00 is charged to each student in addition to the wood products for projects.

DRAFTING/CAD/CNC - GRADES 10-11-12 (taken one year only)

This course is designed for the student who is planning to further his or her education in drafting, design, carpentry or architecture at a university or technical institution.

Time will be spent on board drafting, technical sketching, materials analysis, CAD (computer aided drafting) and CNC (computer numerical control).

Students will learn to not only produce working drawings, but will also be able to understand the total world of design and manufacturing. Students will have experiences in drafting, geometry, orthographic drawing, sketching, various views and assembly drawings.

After a thorough understanding of dimensioning and national standards in design, students will start on architectural drawings. Architectural drawings will include views for floor plans, elevations, window and door schedules, electrical, mechanical and foundations. Actual framing techniques for modern residential and commercial construction will also be discussed and tested.

Later in the year students will be introduced to the world of three-dimensional computer drafting and display. Students will compare three-dimensional views to actual solid modeling. AutoCAD's powerful drafting software will be used.

In the final weeks of class, students will explore the world of computer manufacturing by learning to program small desktop CNC mills and lathes to produce precision components.

This class is a composite class, which involves parts of the original classes of Drafting and Advanced CAD.

CARPENTRY - GRADES 11-12 - (1st Semester only)

The course is designed to introduce students to the area of rough carpentry and the skills needed in the construction trades. Various types of structures and how to build them will be discussed. Students will learn how to use the various tools used by a carpenter. Students will learn how to lay out plans for walls, doors, windows, and other areas in proper housing construction. The different ways of measuring, building and laying out rafters will be taught.

Course work will cover discussions and written tests along with practical skills tests in the carpentry area. Each student will draw detailed plans of a small structure which will be built to housing standards by the carpentry class. The majority of class time will be spent on the actual construction of a movable backyard storage shed.

Requirements: Shop coats or coveralls will be provided by the students. Safety glasses will be provided by the school with the student being held responsible for their pair.

SMALL ENGINES - GRADES 11-12 - (2nd Semester only)

This class consists of the theory and practice of the internal combustion engine. Specifically, students will be involved in engine systems, part identification, servicing and tuning small engines, trouble shooting and basic overhaul. Students are required to overhaul at least two engines.

Requirements: Coveralls shall be provided by the students. All service parts or outside labor charges will be paid for by the students. Safety glasses will be provided by the school with students being held accountable.

LONG DISTANCE LEARNING

DISTANCE LEARNING

Classes may be offered through Long Distance Learning. These classes will originate from one of 24 sites outside of Tri County and will be broadcast over interactive television in the long distance learning room.

Because of the long distance learning set up and use of interactive television for instruction, these classes will be limited in size to a select group of students. Students registering for these classes must be above average in academic standing, must be capable of self-discipline and time management, and they must be self-motivated. Students enrolling in long distance learning classes will be required to sign a code of conduct along with their parent(s) to be followed at any site.

If more students register for a long distance learning class than can be handled, determination of who can enroll will be made by the administration.

MATHEMATICS

SEVENTH GRADE MATHEMATICS

Description and Basic Philosophy: This is a seventh grade (required) course. The course emphasizes pre-algebra skills and concepts, such as variables, equation solving, and problem solving. Operations on whole numbers, rational numbers, and decimals is stressed. Geometric topics are also covered. It is believed that one learns mathematics by doing mathematics and that a proper balance between theory and practice is essential for a genuine understanding.

- Course Outline:
- Operations with whole numbers
 - Using variables
 - The decimal system
 - Geometric figures
 - Number theory
 - Operations with fractions
 - Solving equations
 - Percent
 - Areas and volumes
 - Integers and graphs
 - Statistics, graphs

UCSMP MATHEMATICS (ALGEBRA FOR GRADES 8-12)

This course has several goals. It will introduce you to the language of algebra. It will help you prepare for geometry and other mathematics. It will help you learn about the many uses of algebra in the real world and deal with mathematics around you. You will be expected to read each lesson, and it is vital for you to understand what you have read. Mathematics is not a spectator sport! Homework is required most every day.

- Topics covered:
- 1) uses of variables
 - 2) multiplication, addition, subtraction, and division in algebra
 - 3) linear sentences
 - 4) slopes and lines
 - 5) exponents and powers
 - 6) quadratic equations and square roots
 - 7) polynomials
 - 8) linear systems
 - 9) factoring
 - 10) functions

- Course Outline:
- Fundamental operations with rational numbers
 - Solving of equations, inequalities and word problems
 - Functions, relations and graphs
 - Systems of open sentences
 - Polynomials and their factors
 - Polynomials and rational expressions in open sentences
 - Irrational numbers and radical expressions.

APPLIED MATHEMATICS

Students will use prior knowledge learned in Algebra I and learn to integrate this knowledge with basic geometric concepts to solve problems and complete various hands-on type activities. Students will be expected to provide their own scientific calculator, drawing tool, compass, and graph paper.

This course should not be taken to complete requirements for a four-year college.

Prerequisite: Algebra I

GEOMETRY - UCSMP - Typically for GRADE 9

This course is the third course in the sequence. The content of this course integrates algebra, some discrete mathematics together with geometry; however, topics related to geometry are the primary focus. The primary content is Euclidean Geometry with emphasis on transformations and coordinate geometry to build a foundation for studying functions. Students in this course encounter justifying reasons for their answers and frequently write paragraphs to explain their reasoning.

Students will be required to purchase the following equipment and materials: three-ring notebook with dividers, graph paper, drawing tool and compass (purchased from school), scientific calculator.

Topics include:

Language - Logic of Geometry

Angles and Lines

Reflections

Proofs using congruence

Polygons and symmetry

Triangle congruence

Perimeter and area

3 Dimensional figures

Surface area

Volume

Similar triangles

Trigonometry

Prerequisite: Algebra I; grade of "C" or recommendation of instructor.

ADVANCED ALGEBRA (UCSMP) - GRADE 10

This course follows UCSMP Geometry taken in grade 9. This course integrates geometry, discrete mathematics, and statistics together with algebra. Significant amounts of geometry and statistics are employed; therefore, success in prior courses (algebra and geometry) is essential. Up to date technology is employed especially in teaching functions. Graphing calculators will be used extensively and are, therefore, required equipment for the course. Students will also find more questions requiring reading and writing skills.

Students are required to read the lesson each day and complete a homework assignment. Students who neglect to follow the procedure cannot expect to be successful. Students are expected to have the necessary background from material learned in previous courses.

<u>Topics:</u> Functions	Powers
Variation and graphs	Inverses and radicals
Linear functions	Exponential and logarithmic functions
Matrices	Trigonometry
Systems of equations	Polynomial
Quadratic functions	Quadratic relations
	Series and combination

Materials required: Graphing calculator (TI-83), graph paper, drawing tool, compass, three-ring notebook, dividers.

Prerequisite: UCSMP Geometry, minimum grade of "C" in Algebra I and Geometry or recommendation of instructor and/or administration.

FUNCTIONS, STATISTICS, AND TRIGONOMETRY (FST) - GRADE 11

The course follows Advanced Algebra and integrates functions, statistics, and trigonometry. This course applies the geometry and algebra students have previously learned. In addition, students will study sequences, counting problems, and topics covered in many pre-calculus courses. In this course students have an opportunity to pull together and sharpen many math skills to prepare them for a world that depends on data collection for decision making and to prepare them better for pre-calculus courses.

Materials required: three-ring notebook for assignments, ruler, protractor, compass and graphing calculator (TI-83). Note: Students have already purchased these items for Geometry and Advanced Algebra. If they have taken care of their equipment, they should have these items.

Prerequisite: Advanced Algebra with a grade of "C" or permission of instructor and/or administration.

BUSINESS MATH - GRADES 11 & 12

This math or business course can be used as a mathematics requirement. The course is designed to give students a basic knowledge of practical problems found in everyday life and math problems found in business.

- Course Outline:
- Money Management
 - Buying Problems
 - Wages and Commissions
 - Borrowing Money, Saving, and Investing
 - Home Expenses and Transportation
 - Taxes
 - Small Business Financial Statements
 - Retail Buying and Selling
 - Wholesales and Manufacturer Problems
 - Special Business and Farm Problems
 - Metric System.

PRE-CALCULUS AND DISCRETE MATHEMATICS (PDM) - GRADE 12

Description and Goals: This course is designed to provide students with the background needed to begin college calculus in their freshman year in college. Computers and calculators are used as tools to analyze Math, Science, Social Science, Engineering, Environmental and real-life types of problems. The class requires reading and problem solving. Projects are used to provide opportunities for independent study.

- Course Outline:
- Logic
 - Analyzing Functions
 - Functions, Equations, and Inequalities
 - Integers and Polynomials
 - Rational Numbers and Rational Functions
 - Trigonometric Identities and Equations
 - Recursion and Mathematical Induction
 - Polar Coordinates and Complex Numbers
 - The Derivative in Calculus
 - Combinatorics
 - Graphs and Circuits
 - Vectors
 - The Integral in Calculus

Prerequisite: Functions, Statistics and Trigonometry with a "C" average

INFORMATION PROCESSING/COMPUTER I

(See course description in BUSINESS EDUCATION section of this Curriculum Guide)

COMPUTER II

This is a one-year course for students who want to learn some programming, hardware, and web design. The students will learn C++ programming language by using C++ Visual. Students will also design and help maintain the school's web page. Students will also acquire a basic understanding of computer hardware by replacing parts to broken or outdated computers. The students will need a good background in mathematics as well as having good problem solving skills.

Prerequisite: "C" average in Information Processing/Computer I and/or administrative approval.

MUSIC

JUNIOR HIGH VOCAL MUSIC

In Junior High Vocal Music the student will sing, listen, and move to the music of this generation and those past with the emphasis on performance.

Performance groups include mixed chorus, girls/boys groups and dramatic presentations. A broad overview of music history will also be included along with continued review of basic music theory skills. The students will be able to demonstrate their ability to sing two and three-part music in at least four evening concert appearances. Attendance at these evening concerts is required of those students currently in good standing with Tri County student handbook policy. Special small groups and solo opportunities are available and encouraged, but are subject to audition.

Swing Choir is a select performance group that introduces the concepts of combining the elements of singing and choreography to music. Junior High Swing Choir members are selected by audition in the fall. Students must be enrolled in vocal music to be eligible to audition (or have special permission of the instructor). Attendance at rehearsals held once a week before school in the morning is required. Each swing choir participant will be required to purchase approved clothing.

VOCAL MUSIC - GRADES 9-12

Vocal Music places a student in a large group situation that develops the ability to sing, move and listen to a variety of styles ranging from pop, rock and jazz to traditional folk songs, classical music, and music from other cultures. With the emphasis on performance, a student has the opportunity to be involved in the following groups: concert choir, girls' ensembles, boys' ensembles, and swing choir. Participation in solo work, other small groups, and honor choirs is optional but encouraged.

Four evening concerts are planned for each year as well as participation in the SNC Vocal Clinic and District Music Contest. Grading is based on in-class participation, skills testing, and outside class work with concert attendance mandatory for the completion of the course.

Swing Choir is a select performance group that applies the elements of singing and choreography to jazz, pop, Broadway and swing music for a performance that is as entertaining to the audience as is challenging to the performer. Selected through auditions held the previous spring, all students must be enrolled in High School Chorus (Vocal Music) (or have permission of the instructor), be able to perform at various community events as well as school programs and concerts. Attendance at rehearsals before school in the morning is required. Approved swing choir clothing must be purchased by each student.

Girls Ensemble is a select performance group that demonstrates the basic principles of choral singing and choreography. Selected through auditions in the fall, all students must be enrolled in High School Chorus (Vocal Music) and be able to perform at various community events as well as school programs and concerts. Attendance at weekly rehearsals before school in the morning is required. Should the group choose to wear matching attire, the approved attire must be purchased by each student.

Prerequisite: Students who participated in vocal music in junior high must have maintained two semesters of a grade point average of 80% or higher during their most recent semester of participation, or approval given by the instructor or administration, in order to continue in the vocal music program. For those students who did not participate in junior high vocal music at Tri County, anyone may enroll the first year. To continue to participate in the program in succeeding years, however, a grade point average of 80% or higher must be maintained as the final first and second semester grade unless approval is given by the instructor or administration.

JUNIOR HIGH BAND

Anyone in grades 7 or 8 may join Junior High Band by demonstrating proficiency on a band instrument. This is a performance based class with most of class time being spent in rehearsal of music for performance in concerts. In addition, students will learn about music theory, form, and history. Participation in solo work and other small groups is optional and encouraged throughout the year.

JUNIOR HIGH JAZZ BAND

Junior High Jazz Band is a select performance group that spends time learning and performing all music in the jazz realm. Selected through a fall audition, all students must be enrolled in Junior High Band, be able to perform at various community events as well as school programs and concerts, and attendance at rehearsals as scheduled are required.

SENIOR HIGH BAND

Anyone in grades 9-12 may join the Senior High Band by demonstrating proficiency on a band instrument. Lessons will be arranged for those wishing to learn to play an instrument.

Senior High Band is a performance based class with the majority of class time spent rehearsing for performances. Performances may include both marching and indoor concert appearances. A typical schedule for a year may include a list of performances similar to the following:

All home football games	District Contest - April
Marching contests	Spring Pops Concert - May
Veterans' Day - Plymouth (November)	Commencement - May
December Concert	Memorial Day - DeWitt (May)
Winter Concert	

Each band member is considered a member of the Pep Band and is expected to play at home sporting events when not participating in the sport. In addition, each student will learn about music theory, music appreciation, and music form and history. Smaller ensembles such as Woodwind Choir, Brass Choir, Percussion Ensemble, and Solos will be organized as interest and scheduling will permit.

SENIOR HIGH JAZZ ENSEMBLE

This is a select group that spends time learning and performing all music in the jazz realm.

Selected through a spring audition, all students must be enrolled in Sr. High Band, or have special permission granted by the director, be able to perform at various community events, contests, as well as school programs and concerts, and attendance at morning rehearsals, or others as scheduled are required.

PHYSICAL EDUCATION - GRADES 7-9

PHYSICAL EDUCATION

Course Description

An educational program of physical education can make contributions to all phases of individual development. These benefits of values include the objectives of (1) physical fitness, (2) motor skills, (3) socialization, (4) knowledge, and (5) aesthetics or appreciation.

The Junior-Senior High Physical Education program at Tri County is set up on a Cycle plan, with only 3-10 activities scheduled per year. Emphasis is on physical development and fitness, appreciation of sportsmanship and of the rules, basic skills and techniques involved in each specific activity. (See the specific course outlines for details.)

It is recommended that a uniform consisting of a special reversible shirt for the boys, T-shirt for the girls, and shorts be worn by each student to promote the sense of pride, organization, and uniformity. Each piece of clothing should be marked with the student's name. Locks and lockers will be checked out to each student to hold clothes and valuables during and after class. There shall be no interchange of clothing between students. Clothes are to be taken home each week and laundered.

Course Areas of Study

Each class has been set up according to specific recommended percentages of time allotments per type of activity: dance, team sports, individual sports, conditioning, fitness testing, gymnastics and tumbling, recreational games and lifetime activities.

Course Evaluation For Physical Education

The following grading procedures will be used for each grading period for all Physical Education classes. Students may request this grade information at any time provided this is done at the end of class.

Boys - Each student will have the opportunity to earn 10 points every day.

The points are as follows:

3 points - Brought P.E. clothes (Automatic "0" without appropriate P.E. clothes) (A student may borrow clothes but will still lose 3 points.)

3 points - Participation and attitude

2 points - Cooperation and social skills

2 points - Respectful to others and to P.E. equipment.

Girls - Total Physical Education grade consists of points earned out of points possible in the following areas:

1. Skills

a. Skills tests (given in some areas)

2. Daily Average

a. Following the locker room and gymnasium rules

b. Participation, sportsmanship, attitude and behavior

c. Proper uniform

d. The total number of points earned from both daily grades (4 points per day on activity days and 6 points available on aerobic days) and test grades will be divided by the total number possible.

3. Knowledge (given in some areas)

a. Quizzes

b. Written tests

4. Physical Fitness Evaluation

Can earn extra credit ("fitness" points) by doing fitness workouts-- 20 points per quarter. Extra Credit points are also earned on fitness tests (1st quarter only).

Fitness Tests

Tests will be given in September and May to show improvement in the student's physical ability and to evaluate the physical education program. Tests will show each individual student's national percentile rank for his/her age group in each test event. A physical fitness top ten list is also compiled for each event to reward those who finish with high results as compared to years past. The Presidential Fitness Awards are given at the Honors Convocation to those students reaching the 85th percentile in each event. Those students will receive a certificate and a patch stating the level they reached through the fitness tests results.

SEVENTH GRADE PHYSICAL EDUCATION

The following areas will be covered: orientation/fitness tests, flag football/soccer, volleyball, square dance, basketball, badminton/table tennis/recreational games, gymnastics and tumbling, aerobics/track and field, fitness tests/check-in.

EIGHTH GRADE PHYSICAL EDUCATION

The following areas will be covered: orientation/fitness, tests, riflery/archery, volleyball, folk/social dance, basketball, wrestling, gymnastics and tumbling, lifetime activities, fitness tests/check-in.

NINTH GRADE PHYSICAL EDUCATION

The following areas will be covered: orientation/fitness tests, flag football, soccer, volleyball, weights and conditioning, aerobic dance design, square dance, basketball, badminton/table tennis/recreational games, gymnastics and tumbling, aerobics/track and field, fitness tests/check-in.

ADVANCED PHYSICAL EDUCATION - GRADES 10-12

The Advanced Physical Education course is designed for students in grades 10 through 12 who are interested in exercise and learning about the importance of exercise and fitness. This class is open to all juniors and seniors who want to stay active and learn about fitness, exercise programs, and lifetime activities. This class is recommended only for those students who are interested in working out every day.

Individual goals will be set by the students in areas in which the students want to improve. Examples of these are: increase percent of body muscle; decrease percent of body fat; increase muscle strength and endurance; improve cardiovascular endurance and others.

Class Format

Students will participate in an exercise program four or five days a week consisting of the following exercises: aerobic running and exercise, jump rope, weightlifting, and various lifetime activities that aid in fitness. Lifetime activities that may be included are tennis, badminton, table tennis, pickleball, volleyball, basketball, handball, horseshoes, golf, and others. Students will also be required to keep a daily record of lifts and activities in a notebook. Two-page papers on various topics will also be included.

Topics that may be discussed include: nutrition, dieting types, different exercise programs, relationship of calorie intake and energy expenditure, benefits of exercise now and later in life, and effects on mental health and outlook.

Course Evaluation

Grading will be comprised of a participation grade and improvement grade based on the increase of fitness levels in areas that are tested during the year.

Prerequisite

A grade of "C" or above in Ninth Grade Physical Education/Health and permission from instructor and/or administration. If a student is taking a weightlifting class, he/she will not be allowed to take Advanced Physical Education without administrative permission.

WEIGHTLIFTING CLASS - GRADES 10-12

This class is open to any sophomore, junior or senior interested in improving their level of physical fitness. The class will consist of various flexibility, running, and lifting exercises. Testing will be conducted to indicate any improvement in growth and performance. Basically weightlifting will be four days per week and aerobic exercises will be run one day per week. This class is recommended for only those students who are truly interested in this form of activity and who are interested in and willing to work independently toward their own physical improvement.

Grading Procedure

- 25% Notebooks
 - Completeness
- 25% Attitude
 - Ready to lift
 - Work Ethic
 - Complaining/Arguing
- 25% Respect
 - Others in Class
 - Instructor
 - Equipment
- 25% Following Course Rules
 - Clean Up
 - Dress
 - Showering
 - Safety, etc.

HEALTH EDUCATION - GRADES 7-9

The Health Education Program at Tri County will include students in grades 7-9 in conjunction with the Physical Education classes. The course will be taught in two sessions of about 15 days each; once in the fall and once in the spring. Health classes will meet on alternating days. The dates of the sessions will be decided by the instructors.

The main objective of the Health Education Program is to make all students aware of the positive and negative approaches to one's physical, social, and mental health. This will mean a wide variety of subject matter which is to be used will be flexible as the needs arise. A basic knowledge of our body and how it functions and other things which affect our total health are taught at each grade level at some time during the program.

Course Areas of Study:

Each session will be comprised of 2-3 units each. The basic units that will be covered in each session are listed as follows:

<u>Grade 6:</u>	<u>1st Semester</u> Wellness Nutrition	<u>2nd Semester</u> Growth and Development Drugs and Alcohol
<u>Grade 7:</u>	<u>1st Semester</u> Violence Sexual Harassment film	<u>2nd Semester</u> Fitness Tobacco
<u>Grade 8:</u>	<u>1st Semester</u> Alcohol and Drugs	<u>2nd Semester</u> Nutrition Sexuality Reproductive System
<u>Grade 9:</u>	<u>1st Semester</u> Violence	<u>2nd Semester</u> Family Sexual Abstinence

Course Evaluation

Grading for each unit will be comprised of quizzes, project grades, reports, class participation, handouts, questions, and a chapter test. Health grades will be averaged in the Physical Education grade each semester.

SCIENCE

LIFE SCIENCE - GRADE 7

This class focuses on living organisms and the environment in which they live. The first semester will cover the features, needs and origins of viruses and other living things including plants.

The second semester will focus mainly on animals, from the very simple forms through the human being.

Class time will be spent on reading, lectures, experiments, worksheets, and laboratory investigation. Students will be required to keep a notebook, take quizzes and tests, write reports, and complete projects.

EARTH SCIENCE - GRADE 8

This class will look at the things that make up the planet earth and the things that affect our planet. The class will include notes, lecture, labs, worksheets, group work, quizzes and tests. Some of the major areas of emphasis will include but not limited to Matter, Geology, Meteorology and Astronomy.

PHYSICAL SCIENCE - GRADE 9

All Grade 9 students will be required to take Physical Science. This class is set up to meet the physical science requirements set forth in the Nebraska State Standards. The curriculum will include an introduction to the basics of chemistry and physics. Students will need a notebook and a calculator. They must have a "C" average or higher each semester in this class if they wish to take General Biology as a sophomore; if they have an average less than a "C," they will take General Life Science. If they fail the class, they will be required to repeat Physical Science until they pass the course.

GENERAL LIFE SCIENCE

This class is an introductory level look at the science of living organisms and the environment around them. The class will include notes, lecture, guided reading, labs, worksheets, group work, quizzes and tests. The major areas of emphasis will include Microorganisms, Fungi, Plants, Animals, Cells, Heredity, Classification, Environmental Science and possibly the human body.

Prerequisite: Completion of Physical Science

GENERAL BIOLOGY

This course deals with the structural, functional, behavioral and ecological concepts of the five major kingdoms of living organisms. The class will also include genetics, introductory microbiology, and human anatomy and physiology. Course work will involve lectures, class discussion, laboratory work and projects. Students will be graded on daily work, quizzes, labs, projects and tests. Tests will be given regularly covering the details of the main concepts discussed. Students will be required to follow proper scientific method and safety procedures during lab activities.

Prerequisite: All students completing Physical Science with a grade of "C" or better for both semesters must take General Biology. Those students not earning a grade of "C" in Physical Science may take General Biology with permission from the instructor and principal.

CHEMISTRY - GRADES 11 & 12

This deals with all of the substances that make up our environment as well as the changes that take place in these materials. It helps one to understand and benefit from our world. The ways of chemistry have changed from the memorization of innumerable chemical facts to the observation and development of principles and ideals.

Upon successful completion of Chemistry students will be able to demonstrate knowledge of:

- P-1-C Measurement
- P-2-C Atomic Theory
- P-3-C Nomenclature
- P-4-C Periodic Table
- P-5-C Equations
- P-6-C The Mole
- P-7-C Stoichiometry
- P-8-C Chemical Bonding
- P-9-C Molecular Geometry
- P-10-C Kinetic Theory (Liquids and Gases)
- P-11-C Solutions
- P-12-C Acid/Base Theory
- P-13-C Redox Equations

Prerequisite: Sciences grades 9-10 which are required courses
(Students will be required to purchase safety glasses.)

PHYSICS - GRADES 11 & 12

Physics by definition is the physical science which deals with matter and energy and their transformation, measurement, and mathematical relationships. Our course of study is primarily Newtonian or classical physics. Usually there is neither time nor facilities for atomic physics other than brief mention at the secondary school level. The nature of the course is sequential, so we will follow the order of the text. Skills used or developed in the beginning are used throughout the year. The lists of units can be obtained in the index of your text. Neither time or space warrants listing them.

Upon successful completion of Physics, the student will be able to demonstrate knowledge of:

- | | |
|---|----------------------|
| P-1-P Measurement and mathematical review | P-6-P Electricity |
| P-2-P Mechanics | P-7-P Optics |
| P-3-P Motion in a plane | P-8-P Wave phenomena |
| P-4-P Energy | P-9-P Sound |
| P-5-P Momentum | |

Prerequisite: Recommend that Algebra I, Geometry, Algebra II and Chemistry be taken before Physics and/or permission of instructor.

ECOLOGY - GRADES 11-12

This course is designed for students who are interested in expanding their understanding of the relationships and interdependence of living things, plants and animals, to their environment. Ecological relationships are studies both structural and functional. Indoor work will include textbook study, lecture, extra reading, report writing, films, and individual or group projects with plants or animals. Some projects will be assigned and others selected by student choice. During more favorable weather part of class time may be spent in the nature study center working on population studies of plants and small animals, trapping, insect collections, plant collections, soil sampling and observations of natural relationships and a unit of solar energy may be included.

Prerequisite: General Biology

ADVANCED CHEMISTRY - GRADE 12

Upon successful completion of Advanced Chemistry students will be able to demonstrate knowledge of:

- | | |
|--|--------------------------------|
| P-1-AC Review of chemistry | P-6-AC Acids, bases, and salts |
| P-2-AC Energy and disorder | P-7-AC Electrolytes |
| P-3-AC Solutions | P-8-AC Organic chemistry |
| P-4-AC Solutions | |
| P-5-AC Reaction rates and chemical equilibrium | |

ADVANCED BIOLOGY - GRADE 12

This course is designed to meet the needs of students who are considering a biology-related career, especially in the health related fields. The class will focus on the relationship of anatomy and physiology for many of the major human systems. Tests and quizzes will be given over one or two chapters of the textbook and medical terminology workbook.

The course will be some lecture, class discussion, group experimentation, individual research work and practical lab exams.

- Topics to be covered:
- Human Reproduction System
 - The Skeletal System
 - The Muscle System
 - Spinal Cord and the Brain
 - Sensory Structures
 - Nervous System
 - Respiratory System
 - Digestive System
 - Circulatory System
 - Endocrine System
 - Metabolism
 - Excretory System

Prerequisite: "C" or better in Biology and the completion of Chemistry by the end of the junior year, and permission of the instructor. Suggested prerequisite--Advanced Algebra may be taken concurrently.

SOCIAL SCIENCES

WORLD HISTORY - GRADE 7

Social Studies in an introductory course to the various Social Science disciplines such as history, geography, economics, sociology, and political science. Composition will be required in this course.

- Course Outline:
- A. The Roman Republic and Empire
 - B. Islam and the Arab Empire
 - C. Civilizations in Africa
 - D. China and Japan
 - E. The Middle Ages
 - F. The Rise of Latin Christendom
 - G. The Modern Age Begins

AMERICAN HISTORY - GRADE 8

Eighth grade American History will acquaint the student with the early development of the United States. Primary emphasis will be placed on the period from 1700 to the Civil War. During the second semester, there will be a study of Nebraska History. Students will gain an understanding of the development of the state from the Territorial Days to the present. Composition will be required in this course.

- Course Outline:
- A. English Settlements and European Rivalries
 - B. The American Revolution
 - C. The Making of a New Nation
 - D. The Challenge of Sectionalism
 - E. A Nation Divided
 - F. Nebraska History

WORLD GEOGRAPHY - GRADE 10

Geography is viewed broadly as a body of information and a process through which we attempt to understand the spatial arrangement and interaction of land, water, climate, and people over the earth. The course employs this viewpoint and brings the regions of the world into sharper focus. The study of geography can be organized around five key themes: location, place, movement, region, and human/environment interaction. These themes offer a structured way of thinking about the world and can be used to study all kinds of geographic issues from local to global levels. Composition will be required in this course.

- Course Sections Include:
- Foundations of Geography
 - United States and Canada
 - Latin America
 - Europe
 - Russia and The Eurasian Republics
 - North Africa and Southwest Asia
 - Africa South of the Sahara
 - South Asia
 - East Asia
 - Southeast Asia
 - Australia, Oceania, and Antarctica

AMERICAN HISTORY - GRADE 11

American History is a survey course which provides a general inspection of our history from the Civil War era to the modern period. Basically this course begins where 8th grade American History leaves off. This course incorporates a study of economics and political developments in order to give the student a better understanding of his heritage.

- Course Outline:
- A. A Nation Divided
 - B. Creating Industrial Strength
 - C. A New Nation Emerges
 - D. The Progressive Movement
 - E. Reaching into the World
 - F. Prosperity's Promise, the 20's, and the 30's
 - G. The Reluctant World Power
 - H. "American Gothic" the U.S. 1945-55
 - I. Years of Trial and Hope, the Fabulous Fifties and the Troubled Sixties
 - J. Recent America: 1964-1984

AMERICAN GOVERNMENT - GRADE 12

The American governmental system is complex. It is also an all-pervading social force which plays a meaningful part in our daily lives. This course considers the ways in which it is organized, the ways it is controlled by the people, and the ways it functions. By examining the basic concepts, the structure, and the people involved, the students will view their government in a less complicated way. The emphasis in this course is in understanding the three branches of America's government and the rights and responsibilities of American citizens in a democratic nation. Composition will be required in this course.

- Course Outline:
- Foundations of the American Government
 - Political Behavior; Government by the People
 - The Legislative Branch
 - The Executive Branch
 - The Judicial Branch
 - Civil Rights and Responsibilities
 - Comparative Political and Economic Systems
 - Participating in State and Local Government

MODERN PROBLEMS - GRADES 11 OR 12

Modern Problems is a junior/senior level social science course. The focus of study is on current social problems. Examination of causes, complexities, impact, and solutions will guide student work. Topics will be explored in relationship to sociological, economic, political, and psychological perspectives. Learning activities will include: forums, debates, small groups, newspapers in education, surveys, guest speakers, critical thinking, role-playing, video presentations, independent projects, and internet applications.

Course Sections Include:

- Wealth and Power
- World Population and Global Inequality
- Threats to the Environment
- Immigration
- Demographic Changes in America
- Urban Problems
- Poverty
- Racial and Ethnic Inequality
- Gender Inequality
- The Problems of Work
- Family Issues
- Education
- Health and Health Care Delivery
- National Security
- Crime and Justice
- Drugs
- Human Rights

WORLD HISTORY - GRADES 11-12

World History will focus on major turning points that shaped the world. Instruction will emphasize the Nebraska State Standards for World History. Students will explore the world at 1,000 C.E. (common era) through the 20th century. Instruction for exploring World History will include in-class discussions, unit videos, individual and group presentations, and a variety of activities that will enhance the student's understanding of the world.

LEADERSHIP - GRADES 11-12

Leadership is a class for anyone who wants to take the lead. Leadership is a people-centered skill that is critical in almost every situation in which two or more people come together in pursuit of a common goal. Knowing how to lead is a vital skill that everyone should learn as early in life as possible.

Focus on this class is on leadership skills. Much attention will be paid to the skills used by leaders in our world--both past and present. We shall explore ways to add leadership skills to one's arsenal of personal traits in order to achieve happiness and contentment in all areas of life.

The major goals of Leadership Class is to help gain:

- greater self-respect
- greater success
- greater recognition for all jobs/tasks done
- greater cooperation from friends, family, group members
- greater and more effective direction in life and the ability to make a greater contribution to the world.

Learning activities will include: Independent study, book reports, internet activities, presentations, role-playing, in-depth analysis of specific leaders, videos, interacting with guest speakers, small group activities, written work/essays, interviews, and community service projects.

SCHOOL-TO-WORK APPRENTICESHIP BLOCK - GRADE 12

School-To-Work Apprenticeship Block is a combination of school site preparation and actual work site experiences designed to enable students to acquire attitudes, skills, and knowledge for career and other life roles in real work settings. The School-To-Work Apprenticeship Block helps students to:

- strengthen broad social and technical skills;
- develop personal responsibility;
- explore career options;
- gain job/site specific skills;
- foster positive relationships with adults;
- understand the relevance of and application to academic learning.

Prerequisite: Senior year
Application required

THE CISCO NETWORKING ACADEMY PROGRAM

The Cisco Networking Academy is a unique and privileged program. It will be a two-year commitment by the student who chooses to complete the coursework. Curriculum is web-based from the Cisco Corporation. There will be no books; however, students with Internet access would be able to access the curriculum.

CISCO I

Students will learn a vast amount of information in the world of networking, based on the Cisco Corporation Model.

Students will be tested frequently on content and at the end of the semester will have a comprehensive exam over semester one. Upon completion and the minimum required grade of 78% for semester one, students will be allowed to go on to semester two if they so choose.

Minimum Requirements:

1. Must be 10th or 11th grade student. Seniors will not be allowed to take semesters one and two.
2. Working knowledge of computers and their components;
3. Self-motivation and capability to work with other students.

Topics covered during first semester are:

- Computing Basics
- OSI Model
- LANs
- Electronics and Signals
- Media, Connections, Collisions
- Concepts
- Technologies
- Design and Documentation
- Structured Cabling Projects
- Routing and Addressing
- Protocols
- Transport Layer
- Session Layer
- Presentation Layer
- Application Layer

Topics covered during second semester are:

- Review of Semester One
- Routers
- Using Routers
- Router Components
- Router Startup and Setup
- Router Configuration Files
- Basics of IOS Versions
- TCP/IP Protocols
- Roles of DNS
- Routing Basics
- Interior/Exterior Routing Protocols
- Troubleshooting

Upon completion of semesters one and two, the student will have the option of continuing with semesters three and four the following year.

CISCO II

Cisco II (semesters 3 & 4) is a continuation of Cisco I (semesters 1 & 2). Curriculum is web-based from the Cisco Corporation. There will be no books; however, students with Internet access will be able to access the curriculum.

Students will be tested frequently on content, and at the end of the first semester will have a comprehensive exam over the material covered. Upon completion and the minimum required grade of 78 percent for semester three, students will be allowed to continue on to semester four.

Minimum Requirements:

1. Students must have passed semesters one and two;
2. Working knowledge of computers and their components;
3. Self-motivated and capable of working with other students.

Topics Covered During Third/Fourth Semesters are:

- LAN Switching
- VLANS
- LAN Design
- Routing Protocols:IGRP
- ACLs
- Novell IPX
- Network Management
- WANs
- WAN Design
- PPP
- ISDN
- Frame Relay
- Network Management PT2
- Network + Certification Exam Review
- CCNA Cert. Review
- Remote Access Technologies
- VPNs
- Develop Network Security and Management Strategy
- E-LAB Activity

Upon completion of semesters three and four, the student will have the opportunity to take a national test to become certified in the Cisco training they have acquired. There may be a fee that the student will be responsible for through the Cisco Corporation.