

## CURRICULUM HANDBOOK

Courses required at each grade level are:

### Freshman

English I

Biology

P.E.

### Sophomore

English II

Am. History

P.E.

General Science or Physical Science

Earth Science is required for the Class of 2017 and after

Health I to be taken as a freshman or sophomore

It is recommended that freshman and sophomores take a Math class each year.

Juniors and Seniors are required to fulfill 4 semesters of English

1 semester Writing Class

1 semester Speech Class

1 semester Literature

1 semester of an English Elective

Health II (Junior or Senior)

P.E. (Both Junior and Senior)

Seniors are required to take Economics (Semester) and Government (Semester)

All students must carry at least three (3) units per semester in addition to fulfilling the physical education requirement. Any variation from this requirement will require prior administrative approval.

<b>TOTAL</b>						
<b>REQUIRED</b>	<b>ENG</b>	<b>SS</b>	<b>MATH</b>	<b>SCI</b>	<b>HEALTH</b>	<b>PE</b>
<b>24</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>1</b>



## **FORWARD**

This guide has been prepared to help you in planning your high school program. When selecting your course of study it is important to do some careful planning as to the academic or vocational direction you want to follow.

Your course of study while at Van Buren High School will include some subjects required of you in order to meet existing graduation requirements. Other subjects are elective and primarily left up to the individual student's choice. In planning your course of study, you may find it possible to select only courses that you consider easy or simply those which you like. It is also possible to take as few courses as necessary to meet minimum requirements. On the other hand, a student may elect to take too many subjects while being involved in a number of extra-curricular activities. This in turn could result in your being unable to do justice to any of these areas.

You, your parents, and the school are charged with the responsibility to find a happy medium somewhere between these two extremes. By taking time to give serious thought to your future, you should be able to make some intelligent decision about your course of study. Hopefully, with proper planning, a program will be designed for you who will give you the background needed for the vocational or educational path you have chosen.

## NOTICE TO JUNIORS & SENIORS

### POSTSECONDARY ENROLLMENT OPTIONS ACT

This legislation was passed by the state legislature to allow high school juniors and seniors to take postsecondary (college) courses while still enrolled in high school.

The local school district will pay for tuition, textbooks, materials and fees or \$250 per school year, whichever is the lesser amount.

Juniors and/or seniors should contact their guidance counselor by March 15 of their intent to enroll in postsecondary courses during the next school year.

Additional information concerning the postsecondary enrollment options act and related questions should be addressed to your counselor.

A copy of the postsecondary enrollment options act registration form is included in the curriculum handbook.

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#### ACADEMIC LETTER

##### (I) Requirements for letter

- (1) Make the semester honor roll for two consecutive semesters.
- (2) Score at the 75th percentile or above (Nat'l Norms) on the Iowa Tests of Educational Development letter is awarded.

##### (II) Procedures for granting letter

- (1) Have to make application in the Guidance office for the letter when you meet requirements -- It will not be awarded automatically.
- (2) Letters awarded in September and/ or February of the school year.

--Graduating seniors would receive letter in May.

#### CONCURRENT CREDIT CLASSES

Van Buren will be offering courses next year that will enable high school students to have the opportunity to obtain college-level credit during high school.

Students should contact their counselor for additional details concerning the advanced placement program.

**VAN BUREN HIGH SCHOOL CORRESPONDENCE COURSEWORK  
ADMINISTRATIVE POLICY**

The awarding of High School credit(s) through student completion of correspondence coursework is/are subject to the following stipulations:

1. Students wishing to apply correspondence credit(s) to Van Buren requirements must have administrator approval prior to engaging in such work.
2. Correspondence courses must be taken through a Van Buren approved and accredited institution.
3. Correspondence coursework taken must be in addition to meeting Van Buren minimum course load requirements.
4. Correspondence credit(s) are deemed acceptable in meeting accelerated and/or remedial student needs or in resolving legitimate scheduling conflicts.
5. All costs and obligations inherent with correspondence coursework are the responsibility of the student and/or family of the student.
6. Any variance from the above stipulations will require administrator approval.

**VAN BUREN COMMUNITY HIGH SCHOOL GRADUATION REQUIREMENTS**

The following graduation requirements are in effect for the Van Buren graduating class.

- I. Successful completion of twenty-four (24) units of credit. (see below)
  - A. All courses meeting daily for a semester are given (1/2) unit of credit.
  - B. Drivers Education is also given one-half (1/2) unit of credit.
  - C. Physical Education one-fourth (1/4 ) yearly credit.
  - D. All physically able students shall be required to participate in the program during each semester they are enrolled except as otherwise provided.

Exemptions may be granted as follows:

1. The student's parent or guardian files a written statement with the school principal that the course conflicts with the student's religious beliefs.
2. Students in grade twelve may be excused from physical education by the principal if requested in writing by the parent and if
  - a) the student is enrolled in a cooperative or work study program or other educational program authorized by the school which requires the students to leave the school premises during the school day, or
  - b) the course is not otherwise available to the student.
3. Students in grades nine through twelve may be excused from physical education for up to one trimester, semester or equivalent of a trimester or semester, if requested in writing by the parent and if their involvement in organized and supervised athletic programs occurs during the time their excuse is sought.
4. Students in grades nine through eleven may be excused from physical education for up to one trimester, semester or equivalent of a trimester or semester, if requested in writing by the parent and if the course is not otherwise available to the student if the board (public or nonpublic) determines it to be appropriate.

II. Courses required at each grade level are:

Freshman

\*English I  
World Hist/ World Geo I (9-12)  
Biology  
Health I (freshman or sophomore year)  
Physical Education  
Math (Alg. I, Geo. Alg Conc. I/II  
Math)

Sophomore

\*English II  
Mod. US History  
Health I  
Physical Science  
Physical Education  
Math (Alg. I, Alg. II, Alg. Conc.I/II, Geo. Cons.  
Cons. Math)

### Junior & Senior English Requirements

\*1 semester Speech  
\*1 semester Writing

\*1 semester Literature  
1 semester Elective

Junior  
Health II  
Physical Education

Senior  
Health II  
Am.Govt(sem)/Econ(sem)  
Physical Education

English (11-12) (Pub. Speak., Lit. Tech Writ  
Creative Writ., **Public Speaking-CC**  
**Comp. I--CC, Intro to Lit.-CC,**  
Lit. of Theme, Strat. Read.)  
English (Comp. II-CC, Prereq. Comp I)

Math (11-12) (Alg. II, Cons. Math, Pre-Cal  
Geo.)  
Math (Calculus, Prereq. Pre Cal., **Math for Liberal**  
**Arts-CC, College Algebra-CC)**

Social Studies (11-12) (World Geo. I/II  
Current Events, Sociology  
World History)

Science (11-12) (Chemistry  
Tech Science, Physics,  
Anatomy)

\*see accelerated English program listed in course description

- III. All students must carry at least three (3) units per semester in addition to fulfilling the physical education requirement. Any variation from this requirement will require prior administrative approval.

#### **TOTAL UNITS**

REQUIRED	ENG	SS	MATH	SCI	HEALTH	PE
24	4	3	3	3	1	1

- IV. Students may earn & count credit toward graduation from sources other than the Van Buren School System. Appropriate credit toward graduation may be awarded after careful evaluation and recommendation by the High School Principal. Sources of additional credit that may be granted and included on the transcript of the student include the following:

- (a) Supervised correspondence courses. (See Code No. 603.R1)
- (b) Summer school credit.
- (c) Successful completion of college level work.
- (d) Successful completion of coursework taken at a college or area high school for high school credit.

- (e) Individual tutoring resulting in course completion of an equivalent nature to resident in-school work.
- (f) Successful passage of subject area proficiency tests when and if such tests are deemed appropriate by the high school principal.
- (g) Coursework successfully completed in and/or transferred from another approved school. (Approved by state educational authority of the state in which the school is located).
- (h) Under some circumstances believed to be appropriate by the school administration, limited credit may be awarded for non-traditional experiences deemed educational in nature.

- V. Graduation requirements for special education students will be in accord with the prescribed course of study as described in their Individualized Education Program. Prior to the student's graduation, the IEP team shall determine that the graduation requirements have been met.

## ENGLISH

All graduates will have completed four years of English (two years structured curriculum, four semesters elective curriculum). From among the electives, at least one course from a speech area, one from a writing area, and one from a literature area will be successfully completed.

### **#101 English I** (Year Course - 1 credit)

Required Gr. 9

English I concentrates on developing writing skills. Each student is provided numerous writing assignments and step-by-step instruction in the writing process. The class also develops skills in literary analysis by studying short stories, myths and poetry. Speaking and listening skills are also included in instruction. The Odyssey and Romeo & Juliet, and To Kill a Mockingbird

### **#102 English II** (Year Course - 1 credit)

Required Gr. 10

English II is a course designed to further develop literary, writing, speaking, and usage skills. Literary study will focus on short stories, and other works of literature from a world perspective, reinforcing analytical and comprehension skills, as well as establishing the relationship of a culture to its literature. Writing will include compositions and creative writing. Students will be involved in research activities, including career exploration.

### **#103 Public Speaking** (1 Sem. Each – 1 Credit)

Gr. 11-12

Public Speaking—This course requires preparation and practice in informative and persuasive public speaking. The basics of organization and delivery are studied and performed. Evaluation is based upon a broad knowledge of the principles of communication and the preparation and presentation of specific speech assignments. Literature including a focus on propaganda, advertising and censored and banned books.

### **#804 Composition I** (W)

(1 semester-1/2) 3 Hrs. College Credit

Gr. 11-12

Students will be required to develop skill in written communication through various experiences including six narrative, descriptive, and expository essays of about 500 words each, based primarily on personal experience. Instruction will focus on correct language usage, sentence structure, paragraph development, and development of appropriate organizational structures.

In addition, the students will write two to three expository and persuasive essays of about 600 to 800 words each. A research paper of about 1,500 words will also be required during this class. Instruction will focus on organization, logic, evidence, and style.

3 Sem. hours of college credit will be awarded from Indian Hills C.C. under the title College Writing I.

### **#805 Composition II** (W) (1 Sem. – 1/2 credit)

3 Hrs. College Credit

Gr. 12

Prerequisite: Comp I

These advanced placement English courses are designed for the student who has successfully completed Honors Composition with a high degree of proficiency. The purpose is to develop advanced writing skills the student may later employ at the college level and in their chosen profession, as well as to prepare the student for the option of taking the Advanced Placement tests in Literature or Language Composition.

During each semester, the student will write six to eight essays of rhetorical or literary analysis. Students will improve their writing skills through the use of literature as subject matter and will have an opportunity to study selections independently.

3 sem. hours of college credit will be awarded from Indian Hills C.C. as College Writing II. 3 sem. hours from Indian Hills C.C. is awarded for AP Comp. II as Reading in Literature III.

### **#802 Introduction to Literature (W)** (1 Sem. – ½ Credit)

3 Hr College Credit

Gr. 11-12

This course surveys the basic literary genres. Emphasis is on analysis of fiction, poetry, and drama. The student will be expected to read and think critically about literature and to be familiar with basic literary terminology.

### **#115 Creative Writing** (1 semester - 1/2 credit)

Gr. 11-12

This course requires writing in several genres, including poetry, short story, screen writing, and narrative essay. Evaluation will be based upon a broad knowledge of the various writing forms studied, and the quality and quantity of completed projects.

**#108 Literature of a Theme (Novel I)** (1 semester - 1/2 credit)

Gr. 11-12

This course is intended to develop the student's critical ability, develop an awareness of various themes in the scope of world literature, and increase the quality of fiction and non-fiction reading.

**#116 British Literature**

(1 semester - 1/2 credit)

Gr. 11-12

British Literature courses may provide a survey of British Literature or may focus on a selected timeframe of England's history. Students improve their critical thinking skills as they determine the underlying assumptions and values within the selected works and as they understand how the literature reflects the society of the time. Oral discussion is an integral part of literature courses, and written compositions are often required.

**#803 Public Speaking (SPEECH) (W)** (1 sem. - 1/2 credit) 3 Hr. College Credit Gr. 11-12

Emphasis will be placed upon actual speaking experiences. Students will be given an opportunity to examine basic speech techniques in an open discussion format. The techniques will be implemented into informative speeches, persuasive speaking, discussion, and debate. Argumentation and analytical thinking are other areas of focus in this course.

**#106 Composition** (1 semester – ½ credit) Gr. 11-12

Composition courses focus on students' writing skills and develop their ability to compose different types of papers for a range of purposes and audiences. These courses enable students to explore and practice descriptive, narrative, persuasive, or expository styles as they write paragraphs, essays, letters, applications, formal documented papers, or technical reports. Although composition courses may present some opportunities for creative writing, their focus usually remains on nonfiction, scholarly, or formal writing.

**#105 Literature of a Genre** (1 semester - 1/2 credit)

Gr. 11-12

These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on one or several genres, such as poetry, essay, biography, short story, drama, and so on. Students determine the underlying assumptions and values within the selected works and also examine the structure, techniques, and intentions of the genre being studied. Oral discussion is an integral part of these genre-oriented courses, and written compositions are often required.

**#104 American Literature** (1 semester - 1/2 credit)

Gr. 11-12

American Literature courses focus upon commonly known American authors and their work. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the selected works and as they understand how the literature reflects the society of the time. Oral discussion is an integral part of literature courses, and written compositions are often required.

**#107 English/Composition (juniors and seniors)** (1 semester - 1/2 credit)

Gr. 11-12

English/Composition (juniors and seniors) courses are designed for juniors and/or seniors and build upon previous writing skills. Reinforcing the logic and critical-thinking skills that accompany good writing, these courses – which emphasize word choice, usage, and writing mechanics – provide continued and advanced instruction in writing for a variety of purposes and audiences. English/Composition (juniors and seniors) courses may emphasize college or business preparation; literature study may be offered as an additional component in which students analyze examples of several genres.



## SOCIAL STUDIES

### **#200 World History** (Year Course - 1 credit)

Gr. 9-10-11-12

The purpose of the course is to provide both an understanding and an appreciation of the present in terms of what happened in the past. The course will include the development of civilizations; the discoveries and inventions of early humans; the political, cultural, economic and religious ideas that affect the present world; and an overview of historical figures that have greatly influenced history.

### **#201 Modern U.S. History (American History)** (Year Course - 1 credit) Required Gr. 10

The course will help the student discover and understand the people and events that contributed to the making of the United States. It will enable students to come to meaningful conclusions about the shaping and reshaping of institutions that form the basic structure of American society. Areas to be covered include the basic political principles & laws; the electoral process in U.S.; major social changes that have occurred in the American society; and knowledge of basic historical facts related to the development of the United States.

### **#202 Government** (1 Semester - 1/2 credit)

Required Gr. 12

The course will provide factual knowledge of institutions and political activities at the national, state and local levels. It will provide content in sufficient depth for students to understand the dynamics of political decision-making and to give students an appreciation for effective citizen participation in the political process and, thus, to motivate positive active citizenship. The course will include principles and purposes of the U.S., organization and operation of government in the U.S., political decision-making, electoral processes in the U.S., basis and organization of the legal system, and civil and criminal justice systems in the U.S., and rights and responsibilities of the individual in our governmental system.

### **#203 Economics** (1 Semester - 1/2 credit)

Required Gr. 12

Economics affects all people. Those who understand economics have the advantage. This understanding develops more effective consumers, producers, investors and voters. The main purpose of the course is to help acquire the habit of using the problem - solving approach. Some of the economic topics to be covered are: identifying basic economic goals; decisions that need to be made in order to achieve goals; understanding the relationship between land, labor and capital; understanding the concepts of scarcity, trade-offs, competition, traditions, markets and authority in economic decision-making. The role of the government in the economic process will also be stressed.

### **#206 Current Events** (1 Semester – ½ credit)

Gr. 10-11-12

Current events is a one semester social sciences offering that will focus on current subjects of interest or concern in American society. Due to the volatile and fluid nature of current events, no unit structure can be designed which can anticipate the subject matter that will present itself over the course of the semester. There are, however, certain topics in American society that recur in the national conversation and, as much as possible, will be examined as they appear in the print media. This would include, but not be limited to, energy, illegal aliens, the presidential campaign, terrorism, the war in Iraq, taxes, global warming, and the perceptive differences between adherents to the two major political parties. The topics discussed in class will be linked to the appropriate standards and benchmarks.

The primary means of assessment for this course will be a combination of daily participation in discussion and a weekly presentation of a current event. Other assessment opportunities may also present themselves from time to time.

### **#272 Psychology** (1 Semester - 1/2 credit)

Gr. 11-12

Our need to understand ourselves and others is as old as civilization, but that need has never been more important than it is today. This course will attempt to improve our understanding of ourselves and others through an investigation and discussion of the learning process, intelligence and creativity, the self and personality, abnormal behavior and social behavior. Emphasis will be placed on the individual's views and opinions and class discussions.

### **#207 Sociology** (1 Semester – 1/2 credit)

Gr. 11-12

This course examines the effects of group relations on human behavior, acquaintance with

terminology and concepts used in the discipline, and inter-relations of personality, group, community and culture. Special emphasis is upon practical application concepts.

**#204 World Geography I** (1 Semester - 1/2 credit)

Gr. 9-12

The goal of modern geographic education is to teach knowledge about the earth, to use that knowledge for personal enlightenment and development, and to apply it in making important personal decisions and in participating intelligently in social decision-making that affects our lives.

In World Geography 1 students will learn skills covering the vocabulary of geographic terms, geographic locations, geographic skills, geographic concepts, and critical thinking. This course will give the students the opportunity to obtain insights into the continent of Africa. The culture, history and other forces affecting this area will be reviewed in order to better understand the present situation. In all cases, current world situations of interest will always be discussed as they occur.

**#205 World Geography II** (1 Semester - 1/2 credit)

Gr. 10-11-12

The goal of modern geographic education is to teach knowledge about the earth, to use that knowledge for personal enlightenment and development, and to apply it in making important personal decisions and in participating intelligently in social decision-making that affects our lives.

World Geography II students will be introduced to the Eastern Hemisphere regions of Europe, Asia, and Australia. This course will give the students the opportunity to obtain insights into these areas of the world. The culture, history and other forces affecting these areas will be reviewed in order to better understand the dynamics of the regions. In all cases, current world situations of interest will always be discussed as they occur.

## MATHEMATICS

### **#304 Algebra Concepts I** (Year Course – 1 Credit)(In Place of Algebra 1) Gr. 9-12

This is the first year of a two year course. This course is designed and sequenced to provide a smooth path from arithmetic to algebra and geometry. The content, approach and problem solving stress application to real world problems. A few of the new concepts to be studied are: polynomials, solving equations, coordinate graphing, irrational numbers and a short introduction to geometry.

### **#305 Algebra Concepts II** (Year Course – 1 Credit) (In place of Algebra I) Gr.10-12 Prerequisite: Algebra Concepts I

This is the second year of a two year course. Students completing this course will have fulfilled the requirements for Algebra I.

### **#308 Algebra I** (Year Course - 1 credit) Gr. 9-12

Algebra I takes general mathematical concepts and applies them to the usage of variable to find unknown solutions. It builds to the ultimate of problem solving. A few of the new concepts to be studied are; polynomials, solving equations, coordinate graphing, irrational number and a short introduction to geometry. The purpose of this course is to develop mathematical maturity.

### **#301 Algebra II** (Year Course - 1 credit) Gr. 10-12 Prerequisite: Algebra I, Geometry

Algebra II develops the properties of Algebra I which gives the student the basis for higher math study. It builds to more advanced problem-solving. The new topics of study are: logarithms, imaginary numbers, matrices, polynomial functions and an introduction to trigonometry. The purpose of this course is to prepare college bound students to succeed in courses required at the college level and also lay the groundwork for students who want to continue mathematics.

### **#302 Geometry** (Year Course - 1 credit) Gr. 10-12 Prerequisite: Algebra I or Algebra Concepts I & II

This course introduces a student to the understanding of the interaction between geometry and reality. Students are given a chance to use logical thinking. A goal in this course is to help the student learn to analyze and organize their thoughts using geometry problems for practice. In addition to the basic development of geometry the course includes trigonometry, area and volume, constructions, coordinate geometry and transformations.

### **#303 Consumer and Career Math** (Year Course - 1 credit) Gr. 10-12

It will relate math to uses in a student's everyday life. Some of the topics to be covered are: basic arithmetic review, consumer loans, taxes, insurance, payroll deductions, comparative shopping and use of math in careers.

### **#306 Pre-Calculus** (Year Course - 1 credit) Gr. 11-12 Prerequisites: Algebra I, Algebra II, Geometry

This course will deal with the trigonometric functions and their graphs. Topics covered will include: right triangles and trigonometry, radian measure and circular functions, trigonometric identities, inverse trig. functions, vectors and complex numbers.

### **#307 Calculus** (One Year - 1 credit) Gr. 12 Prerequisites: Algebra I, Algebra II, Geometry, Trigonometry

This course is designed for the college-bound student, especially those interested in the fields of math, science or business. This course will cover differentiation and integration of algebraic functions, analytic geometry, and polar coordinates.

### **#800 Math for Liberal Arts** (1 Sem. – ½ Credit) 3 Hrs. College Credit Gr. 11-12

This is a liberal arts course intended for students with a wide variety of mathematical backgrounds. Emphasis is on problem-solving and applications. Among the topics included are logic, probability, statistics, and consumer mathematics. At least two additional topics will be chosen from among the set theory, algebra basics, voting theory and geometry.

**#801 INTERMEDIATE College Algebra** (1 Sem. – ½ Credit) 3 Hrs. College Credit Gr. 11-12

This course extends study of algebraic principles. Topics include linear and quadratic equations and inequalities, graphs of relations and functions, exponential and logarithmic functions, systems of equations and inequalities, and matrices and determinants.

## SCIENCE

### **#400 Biology** (Year Course - 1 credit)

Required Gr. 9

Biology is the study of all living things. Understanding life and life processes depends on mastering the principles and concepts applicable to life at all levels. To do this, attention is given to: 1. requirement for energy 2. ability to reproduce 3. evolution and relationships among organisms 4. homeostasis and self-regulation 5. environmental effects of human activity 6. interaction of organisms and their environment 7. systems of living things. A workbook and lab work is an important part of the course.

### **#401 Physical Science** (Year Course - 1 credit)

Gr. 10-11-12

Physical Science is a survey of physical and chemical sciences. Units include atomic structure, periodic law, matter, chemical reactions, motion, forces, energy, waves, electricity, light and magnetism. The course is designed to meet the basic science requirement.

### **#404 Chemistry** (Year Course - 1 credit)

Gr. 11-12

Prerequisite: Technical Science

Chemistry is a physical science that deals with the composition and structure of matter and how this determines the way different materials react and interact. This course will focus mainly on inorganic chemistry with an introduction to organic chemistry. A good background in mathematics is helpful. Chemistry is helpful to any student interested in science related fields.

### **#403 Anatomy** (Year Course – 1 Credit)

Gr. 10-11-12

This class will explore the relationship between structure and function of all systems of the human body. Cells, tissues, chemistry, and nutrition will all be explained along with diseases and conditions that affect these systems.

### **#405 Physics** (Year Course - 1 credit)

Gr. 11-12

Prerequisite: Technical Science

This course will cover basic laws of nature that control the relationship between matter and energy. Use of mathematics is a very essential part of physics. The course will also cover forms of energy and how energy affects matter. Physics will be helpful in such careers as these: physicists, engineers, and technicians, medicine, music.

### **#408 Earth Science** (1 semester - 1/2 credit)

Gr. 9-12

Earth Science is required to graduate for the Class of 2017 and after. Earth Science courses offer insight into the environment on earth and the earth's environment in space. While presenting the concepts and principles essential to students' understanding of the dynamics and history of the earth, these courses usually explore oceanography, geology, astronomy, meteorology, and geography.

### **#409 Topics in Biology** (1 semester - 1/2 credit)

Gr. 9-12

Particular Topics in Biology courses concentrate on a particular subtopic within the field of biology (such as botany, zoology, genetics, and so on) that is not otherwise described within this classification system.

### **#410 Microbiology** (1 semester - 1/2 credit)

Gr. 9-12

Microbiology courses provide students with a general understanding of microbes, prokaryotic and eukaryotic cells, and the three domain systems. Additional topics covered may include bacterial control, cell structure, fungi, protozoa, viruses and immunity, microbial genetics, and metabolism.

### **#411 Principles of Technology** (1 semester - 1/2 credit)

Gr. 9-12

Principles of Technology courses focus on the study of the forces and laws of nature and their application to modern technology. Equilibrium, motion, momentum, energy conservation, electromagnetism, and optical phenomena are presented in the context of current, real-world applications. Demonstrations, math labs, and applied laboratory experiments are an integral part of the Principles of Technology curriculum. These courses enable students to gain a solid foundation for careers in electronics, robotics, telecommunications, and other technological fields.

## **BUSINESS**

### **#561 Accounting I** (Year Course - 1 credit)

Gr. 10-12

The purpose of Accounting is to introduce the basic principles, concepts and procedures of accounting. The student will learn to record, read and interpret financial data. A unit of data processing is presented to bridge the gap between manual and automated accounting.

### **#560 Business Law** (Year Course - 1 credit) (Social Studies Credit)

Gr. 10-12

The course is to give the student knowledge and practical application of laws concerning contracts, using credit, employment, insurance, real estate, commercial paper as well as some work with criminal law.

### **#562 Introduction to Business** (1 Semester ½ credit) Grds. 9-12

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

### **#565 Word Processing** (1 Semester ½ credit) Grds. 9-12

Word Processing courses introduce students to automated document production using one or more software packages. These courses may introduce keyboarding techniques or may require prior experience; in either case, speed and accuracy are emphasized. A parallel focus is placed on the use of software commands and functions to create, edit, format, and manipulate documents, capitalizing on the power offered by word processing software programs. These courses may also cover file and disk management and other computer-related skills.

### **#563 Principles of Marketing** (1 Semester ½ credit) Grds. 9-12

Principles of Marketing courses offer students insight into the processes affecting the flow of goods and services from the producer to the consumer. Course content ranges considerably as general marketing principles such as purchasing, distribution, and sales are covered; however, a major emphasis is often placed on kinds of markets; market identification; product planning, packaging, and pricing; and business management.

## **FAMILY AND CONSUMER SCIENCE**

### **#545 Clothing and Textile (Clothing Decisions)** (1 semester - 1/2 credit) Gr. 9-12

Every person is interested in their appearance. Clothing plays a large part in a person's appearance. This course will help students understand the role clothing plays in their lives, how to make the best decisions regarding the selection and care of clothing, and how to construct apparel. In addition, students will learn about textiles and design, the textiles and apparel industry, its history as well as the latest trends, and the many career opportunities in the textiles and apparel field. Technology will play a large part in this class as students will learn to use the computer sewing machines, serger, and computer embroidery sewing machine. They will use computer design programs to create original patterns and embroidery designs.

### **#542 Food Science (Culinary Arts)** (1 semester - 1/2 credit) Gr. 9-12

This course, with its specific standards and benchmarks for food production services, consumerism, nutrition and wellness, complements the standards and benchmarks of the other two food classes. The correlation of all three foods classes provides a well-balanced approach to the study of foods, food science, food production and services, dietetics, nutrition and wellness. In culinary arts, the emphasis is on developing skills in the area of food service in addition to consumer food skills. Units include culinary nutrition, breads, meats, poultry, fish, bakery sweet goods, salads, food presentation, and food service. At the end of the semester, students will integrate what they have learned during culinary arts with meal management skills to plan a formal sit-down meal for the class.

### **#543 Food & Nutrition (Consumer Foods)** (1 semester - 1/2 credit) Gr. 9-12

This course, with its specific standards and benchmarks for food production and services, consumerism, nutrition and wellness, complements the standards and benchmarks of the other two food classes. The correlation of all three foods classes provides a well-balanced approach to the study of foods, food science, food production and services, dietetics, nutrition and wellness. In consumer foods, the emphasis is on making healthful food choices, being a smart consumer, preserving foods, preparing fruits, cookies, eggs, vegetables, dairy products, cereal products, and studying foods of the regions of America and the world. At the end of the semester, students will integrate what they have learned during consumer foods with meal management skills to plan a party, with a regional or international theme for the class.

### **#546 Child Development (Parenting and Child Care)** (1 semester - 1/2 credit) Gr. 9-12

This course is designed to help students learn about how children grow and develop. Students will learn basic information about how children develop and how to meet children's needs in each stage of development from prenatal development through school age years. Students are asked to carefully consider the responsibilities of parenting children and caring for children in today's society, while realizing the decision to parent a child and/or care for children is their choice. The course provides information and knowledge which is needed not only by potential parents but also by those employed as child care workers and those considering a career in early childhood teaching, guidance, social work, health occupations, or other job/careers involving interaction with children.

This course is articulated statewide with Iowa's community colleges that offer an early childhood/child care program.

### **#540 Experimental Foods** (1 Semester ½ credit) Grds. 9-12

Food Science courses offer opportunities to study the composition, structure, and properties of foods and the chemical changes that occur during the processing, storage, preparation, and consumption of food. These courses often explore the effects of various materials, microorganisms, and processes on food products through laboratory experiments.

## INDUSTRIAL TECHNOLOGY

### **#513 Drafting I** (1 Sem. – ½ Credit)

Gr. 9-12

Drafting is a beginning course that will teach students about the world of drafting. This is a hands-on course that will provide information about drafting fundamentals. This class is broken down into different units and will spend time in several styles and techniques throughout the semester. The last unit will be computer aided drafting and design (CADD). I would recommend this course if you are thinking about a career in the **construction, manufacturing and engineering** fields.

### **#516 Woodworking** (1 Sem. – ½ Credit) Limit 12 students

Gr. 9-12

Woodworking is intended to help students develop competent technical skills in the broad areas of wood working. Students will work on projects that are designated by the instructor. After that, student may have time for their own projects with the instructor's approval. Safety will be stressed at all times. Materials supplied by the school district for required projects. All other project materials will be purchased by student.

### **#515 Auto Mechanics** (1 Sem. – ½ Credit) Limit 12 Students

Gr. 10-12

This course will give students the opportunity to explore these subjects in greater detail: engine fundamentals and car maintenance. Students will work on projects that are designated by the instructor. Safety will be stressed at all times. Majority of class will be from the classroom with occasional labs in the shop.

### **#510 Welding** (1 Sem. – ½ Credit) Limit 8 Students Gr. 11-12

In this class, students learn to use a variety of gas and electric welding tools. They perform welds on several materials in a variety of positions and on a variety of types of weld joints. They learn the importance of proper joint preparation and proper choice of tools and equipment for given jobs, such as welding metal together. Majority of class will consist of classroom with occasional lab activities.

### **#514 Small Engines** (1 Sem. – ½ Credit) Limit 12 Students Gr. 9-12

Basic Theory class on how energy is used to run modern gasoline engines. Hands on small engine repair.



## FINE ARTS

### **#620 Band** (Year Course - 1 credit)

Gr. 9-10-11-12

**Prerequisite:** Band instrument knowledge by lesson or part of a middle school band program.

This is a performance oriented organization. Each band member must be a part of concert band, pep band and marching band. Students may also participate in jazz band, color guard, and small ensembles/solos. The marching band performs at all home football games, several local parades, and in at least one marching competition. The concert band performs at the Dinner Concert, Band Blowout and Spring Concert. The jazz band performs at the above mentioned concerts, and is featured at the "Evening of Jazz" concert in April. The solos and small ensembles compete at the state contest, and are invited to play at local service group meetings throughout the year.

### **#621 Chorus** (Year Course - 1 credit)

Gr. 9-10-11-12

This is a mixed chorus. The majority of the class period involves singing as this is a performing group. Theoretical and technical studies will be included as they relate to and pertain to the reading and/or performing of class materials. The spring semester includes solo and ensemble work, which culminates in State Music contest. All students are encouraged to participate. The Vocal Dept. has a Jazz Choir for which membership in the choir at least one semester is a pre-requisite. Select groups perform at concerts and in the community as request dictates. Chamber choir, madrigal, show choir and jazz choir also perform periodically.

- Students may enter at semester (with instructor approval if scheduling conflicts are unavoidable.)

## ART

### **#603 Creative Art--- Drawing (Art 1)** (1 Semester - 1/2 credit) Gr. 9-10-11-12

This course is designed as an exploration class for all students regardless of artistic talent or ability. Emphasis is on introduction to 2-dimensional art subjects. Projects will cover elements and principles of art, printmaking, drawing, painting and other 2-D media.

### **#601 Visual Art/Other (Ind. Adv. Art)** (1 Semester – 1/2 credit) Gr. 9-10-11-12

Prerequisite: 2 art classes

Independent study is an advanced course designed to meet individual needs and interest by allowing students to select his/her own particular projects and processes to pursue and develop completely based on previous experience and performance. The student will complete a portfolio (arranged by student and teacher) with a public exhibit or power point of their work at the completion of the course.

### **#566 Desktop Publishing I (Graphic Imaging)** (1 Sem. – ½ Credit) Gr. 9-10-11-12

This is a survey course exploring the essential elements of vector-based image editing. Basic program navigation, image manipulation, scanning, typographic usage, and artistic uses of digital imagery for graphic design production are emphasized. To succeed in this course, a student should have prior background in computer navigation.

### **#607 Photography I** (1 Sem. – ½ Credit) Gr. 9-10-11-12

Students will study basic aspects of photography, including but not limited to, camera types and usage, traditional darkroom techniques using black and white film, lighting and composition. Students should own or have the use of a focusing camera.

### **#608 Painting** (1 Semester ½ credit) Grds. 9-12

Creative Art – Painting courses cover the same topics as Creative Art-Drawing/Painting, but focus on painting. In keeping with this attention on two-dimensional work, students typically work with several media (such as watercolor, tempera, oils, acrylics, and so on), but some courses may focus on only one medium.

### **#603 Drawing** (1 Semester ½ credit) Grds. 9-12

Creative Art – Drawing courses cover the same topics as Creative Art – Drawing/Painting, but focus on drawing. In keeping with this attention on two-dimensional work, students typically work with several media (such as pen-and-ink, pencil, chalk, and so on), but some courses may focus on only one medium.

### **#606 Ceramics/Pottery** (1 Semester ½ credit) Grds. 9-12

Ceramics/Pottery courses cover the same topics as Creative Art-Comprehensive courses, but focus on creating three-dimensional works out of clay and ceramic material. Particular attention is paid to the characteristics of the raw materials, their transformation under heat, and the various methods used to create and finish objects.

## FOREIGN LANGUAGE

### **#901 Spanish I** (Year Course - 1 credit)

Gr. 9 -12

Spanish I is an introduction to the language and culture of Spanish-speaking people. Students develop vocabulary and basic conversational skills through actions, stories, and educational games. Active participation is an important ingredient of this class.

### **#902 Spanish II** (Year Course - 1 credit) (Prerequisite Spanish I)

Gr. 10-12

Spanish II is an extension of Spanish I. There is a continued emphasis on class participation as further vocabulary is introduced. Students begin to read mininovels, participate in classroom projects, and develop conversational skills through story-telling and educational games.

### **#903/#904 Spanish III/Spanish IV** (Prerequisite Spanish II) (Year Course - 1 credit) Gr. 11-12

Spanish III and IV are taught simultaneously, with different material covered each year. Student participation is still an important aspect of this class. More vocabulary is introduced that is applicable to future situations that may arise in students' lives. More reading is done to further develop students' vocabulary, in the form of mininovels and children's literature. Students, also, further develop their fluency in speaking and writing, with more attention paid to grammatical correctness than in previous years.

**PHYSICAL EDUCATION, HEALTH, DRIVER'S EDUCATION,  
PREP – VOCATIONAL**

**#1000/#1002 Physical Education** (Year Course - 1/4 credit) Required Gr.9-10-11-12

The program has been developed to include a balanced program in team and individual sports and life-time activities as well as fitness education. Activities included in the program: archery, aerobic and physical fitness, badminton, table tennis, soccer, softball, tennis, volleyball, weight training, flag football, agility training, flexibility training, cardiovascular training, and core strength development. The physical education department through its program strives to educate the student physically, mentally and socially. Eight semesters of Physical Education credit is required for graduation.

**#420 Health I** (1 Semester - 1/2 credit) Required Gr. 9 or 10

This course will provide opportunities for goal setting & decision making in the areas of personal health & fitness; social & emotional health including stress mgmt.; nutrition, weight control, healthy eating patterns including athletic diets; safety & emergency care; family life education in areas of life cycle management, shifting family patterns & families in distress; understanding & control of communicable & non-communicable diseases & maintenance of healthy body systems.

**#421 Health II** (1 Semester - 1/2 credit) **Prerequisite:** Health I Required Gr. 11 or 12

While continuing to approach healthy living from a behavioral management perspective and utilizing a wide variety of community health resources, this course will emphasize healthy living in the areas of substance abuse & non-use, human sexuality including reproduction, teen pregnancy, pregnancy prevention, childbirth & parenting responsibilities, sexually transmitted diseases including AIDS, becoming an effective health consumer, environmental effects on health and the community, aging & death education, health resources & health careers.

**#581 Driver's Education** (1 Sem.-1/2 credit) **Entry into class determined by student's age.**

The primary goal of traffic-safety education is to provide students with the information and skills they need to become competent and socially responsible members of the Highway Transportation System. The course content consists of classroom study, behind the wheel driving time (lab), observation time and various other projects

## **MULTI-OCCUPATIONS COOPERATIVE (MOC)**

Enrollment may be made in the Multi-Occupations Cooperative (MOC) at the beginning of the second semester of a student's junior year, first semester of the senior year or second semester of the senior year. A student can be enrolled in 1, 2 or 3 semesters based on individual needs.

### **#500 MOC I** (1 semester – ½ credit) 2<sup>nd</sup> Semester Gr. 11-12

Students must complete one exploratory semester in which they work at 3-4 **non paid** sites during the semester to determine their individual strengths as well as aptitudes and abilities for various careers. The course work and curriculum for this semester will revolve around self-exploration and job seeking skills including career interest inventories, application processes, resume writing and interviewing.

### **#501 MOC II** (1 semester – ½ credit) 1st Semester Gr. 12

For students choosing to enroll in a second semester of MOC, every attempt will be made to place students in an employer paid position. Wages will be base on employer's base salary and will vary among job sites. Students may stay at these sites during the full course of the semester. The course work and curriculum during this semester will revolve around workplace communications, leadership, health, safety and entrepreneurship.

### **#503 MOC III** (1 semester – ½ credit) 2<sup>nd</sup> Semester Gr. 12

In the third semester of MOC, students may continue to work for the same employer as MOC II or they may changes jobs based on employment trends or student interests. Coursework and curriculum will be based on budgeting, insurance, and adult living skills including life-long learning and college planning.

\*It is important to note during MOC II or MOC III that paid employment will be based on availability and student performance. In the event paid positions cannot be obtained, non-paid positions may be obtained in order to ensure a comprehensive program. 1/2 unit of credit is awarded for each period that a student is enrolled with the maximum number of working periods at three and an additional one period for class so students may earn up to two credits of MOC per semester.

## **MERIT DIPLOMA**

The purpose of this diploma is to give recognition to students who have done more than meet the minimum requirements for graduation.

It is hoped this diploma will serve as an incentive for students to strengthen their academic programs.

### **CRITERIA FOR DIPLOMA**

1. All requirements for the regular diploma must be met.
2. Additional units of credit must be earned from "core" area courses.
  - (a) "core" area courses are English, science, math, social studies and foreign language;
  - (b) the additional core units must be taken from at least three of the five core areas;
  - (c) Minimum of 17.0 core units required
3. Must have an overall G.P.A. (grade point average) of B (3.00 points on a 4.00 point scale).
4. Must have a four year average composite score at or above the 60th percentile on the Iowa Tests of Educational Development (ITED) based upon Nat'l norms.