

## 2009-2010 Curriculum Guide

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Dear Students:

Attica High School believes the primary purpose of education is to provide an opportunity for each student to acquire a strong academic foundation by participating in academic courses that meet their abilities, interests and needs.

This Curriculum Guide and Enrollment Handbook have been developed to assist you as you continue your academic journey through high school. Course selection should be based upon requirements for graduation, interest, and preparation for post-secondary plans.

Do not hesitate to visit with the school counselor or myself if you have questions concerning courses, graduation needs and or post secondary plans.

Sincerely,

Troy Piper

## **ATTICA HIGH SCHOOL GRADUATION REQUIREMENTS**

To earn an Attica High School Diploma, students must complete the requirements set forth by the Kansas State Department of Education and Unified School District #511 Board of Education.

### **GRADUATION REQUIREMENTS:**

Twenty-four credits are required for graduation. Students interested in attending regent universities should visit with the guidance counselor for more information.

The following are guidelines for completing graduation requirements:

1. Four (4) units of English Language Arts. Students will be enrolled in English Language Arts in grades 9 – 12. These sequential units of credit must be composition and literature. The unit of speech communication cannot be used as one of the four (4) English Language Arts credits for graduation.
2. One (1) unit of speech communication.
3. Three (3) units of mathematics. Students will be enrolled in Mathematics in grades 9-11. These sequential units of credit will be determined by the high school math department, school counselor, and building principal.
4. Three (3) units of social studies. All sophomores will be enrolled in World History/ or another course. Juniors must enroll in American History and seniors must complete American Government.
5. Three (3) units of science including one laboratory course. Students will be enrolled in Science in grades 9-11. These sequential units of credit will be determined by the high school math department, school counselor, and building principal.
6. One (1) unit of physical education/health. The physical education/health requirement will be met the student's freshman year.
7. One (1) unit of keyboarding.

Any other units required by the Board of Education

### **COURSE CREDIT:**

Course credit is given to the student when the office is notified the student has completed the necessary requirements for credit. Necessary requirements for course

### **DROPPING OR ADDING CLASSES:**

A student may drop one class and add another class during the first week of school (five school days) or the new semester. Approval from parents, counselor, and principal must be obtained. Also, to acknowledge the change, the student must have the signature of the teachers involved. Changes will be made based on the education needs of the students and available seats in classes. Students who are dropped from a class for discipline reasons during the semester will not receive credit for that class.

## **CLASS STANDINGS:**

A student's class standing will be determined by the number of credits he/she has earned rather than the number of semesters of attendance.

Freshman	0 to 6.0 units of credit
Sophomore	6.0 to 12.0 units of credit
Junior	12.0 to 18.0 units of credit
Senior	above 18.0 units of credit

## **DUAL CREDIT:**

Attica High School, with cooperation with Pratt Community College, will be offering college credit in PUBLIC SPEAKING, COMPOSITION I, SOCIOLOGY, INTERMEDIATE ALGEBRA, SOCIAL PROBLEMS, INTRODUCTION TO LITERATURE, DEVELOPMENTAL PSYCHOLOGY, GENERAL PSYCHOLOGY, COMPOSITION II, and WORLD GEOGRAPHY. These are ITV classes.

In order for students to be eligible for Pratt Community College enrollment, they need to score a 24 on their ACT test in math to be eligible to enroll in college algebra, 18 on their ACT to enroll in Composition I, and a composite of 17 for any other class, or take an entrance exam called ASSET test.

The ASSET test will be offered in the late spring semester of the year previous to enrollment. Students and parents should visit with the school counselor for more information.

Students may receive dual credit for college classes by using the following guidelines:

1. All courses to be taken for dual credit must be approved by the counselor and principal in advance. One guideline to be followed is that approval would not be granted to take a required course that had been failed in high school. Making up failed courses is allowed in the correspondence course policy.
2. The following guidelines will apply for granting high school credit: A three-hour college class will count as one-half unit of high school credit.
  - a) A five-hour college class will count as one unit of high school credit.
  - b) A five-hour college class will count as one unit of high school credit.
  - c) No high school credit will be granted for one-and two-hour college classes.

NOTE: A college class taught by an Attica High School certified staff member will be counted as one unit of high school credit.

(Example: College Algebra)

3. The dual credit policy shall apply to:
  - a) Gifted students
  - b) Junior and Senior students

- 4 Upon successful completion of a college course, a student will receive a transcript from the counselor's office.
5. A student wishing to use college course work for a required high school course may do so by demonstrating proficiency in the course for which credit is desired. Proficiency may be demonstrated by the student's final grade in the college course or at the school's discretion, a test over the requirements of the required high school course.
6. Students are responsible for all fees, new books, tuition, travel and miscellaneous expenses involved in taking college classes.
7. Students are not required to enroll in every college course offered on the ITV network. However, students are required to enroll in a high school course during those hours in which they are not enrolled in a college course.

### **HIGH SCHOOL HONOR ROLL AND GRADE POINT AVERAGE:**

College classes will NOT be included in the honor roll for the 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> nine weeks grading periods. Final grades for college classes will be used in the 4<sup>th</sup> (Final) nine weeks grading period.

The 4<sup>th</sup> nine weeks honor roll will include college course credit. A student's final Grade Point Average (GPA) and final class rank will be determined by including final grades from both high school and college courses.

### **VALEDICTORIAN AND SALUTATORIAN SELECTION: Policy and procedure for following grade point average.**

Each student's Grade Point Average (GPA) is determined by averaging the semester grades a student receives in all high school and college classes that are graded with an A, B, C, D, or F. To determine a numerical average, USD #511 high school uses the four point system; an A is worth 4 points; a B, 3 points; a C, 2 points; a D, 1 point; and an F, 0 points. To determine the Valedictorian and Salutatorian awards, the GPA is figured to three places.

Grades and credits earned in all eight semesters are figured into a student's GPA. The student with the highest GPA is Valedictorian; the student with the second highest GPA is Salutatorian. If there is a tie, both share the award. There may be more than one Valedictorian and more than one Salutatorian. For scholarship applications, a student's current GPA will be used. Classes that are graded Pass/Fail are not included in the GPA.

**REQUIREMENTS FOR REGENT UNIVERSITIES:**

To qualify for admissions at Regent Universities, a student must be ranked in the top third of their graduating class, OR have an ACT composite score of 21, OR have a 2.0 Grade Point Average (GPA) in the following classes:

	Regent Qualified Admission Curriculum	Recommended Curriculum For State Scholarship Consideration
ENGLISH	4 – UNITS	4 – UNITS
NATURAL SCIENCE	3 – UNITS	3 – UNITS*
MATH	3 – UNITS	3 – UNITS*
SOCIAL STUDIES	3 – UNITS	3 – UNITS
COMPUTER TECH	1 – UNIT	1 – UNIT
FOREIGN LANGUAGE	0 – UNIT	2 – UNITS*

\* Students must successfully complete the following to be considered for State Scholarship Consideration:

Natural Science: Must include Biology, Chemistry, and Physics

Math: Must include two math units beyond Algebra I

Foreign Language: Must include two units of one foreign language  
Latin or American Sign Language may be counted as one foreign language.

**THE SIX KANSAS REGENTS UNIVERISITIES ARE:**

1. Kansas University
2. Kansas State University
3. Emporia State University
4. Fort Hays State University
5. Pittsburg State University
6. Wichita State University

## **COURSE BY DEPARTMENT**

### **ART:**

Art I, Art II, Art III, Art IV

### **BUSINESS:**

Accounting I, Accounting II, Computer Technology Regents,  
Computer Technology II, General Business I, In House Training,  
General Business II

### **FAMILY and CONSUMER SCIENCE:**

Family and Consumer Science I, Family and Consumer Science II,  
Family and Consumer Science III, Senior Family and Consumer Science  
**FOREIGN LANGUAGE:**

Spanish I, Spanish II, Spanish III

### **GENERAL:**

Library Education, Office Aide, Study Skills

### **HISTORY:**

World History, American History, American Government

### **LANUGAGE ARTS:**

English I, English II, English III, English IV, Applied Communications,  
Yearbook

### **MATHEMATICS:**

Applied Mathematics I, Applied Mathematics II, Pre-Algebra, Algebra I,  
Geometry, Algebra II, Trigonometry, College Algebra

### **MUSIC:**

Vocal, Band, Pep Band, Advanced Music

### **PHYSICAL EDUCATION:**

Physical Education and Health, Strength and Conditioning

**SCIENCE:**

Earth and Space Science, Biology, Human Anatomy, Chemistry, Physics

**VOCATIONAL:**

Communication and Construction I, Communication and Construction II, Furniture, Making I, Furniture Making II, Carpentry I, Carpentry II, Computer Aided Drafting (CAD) I, Computer Aided Drafting (CAD) II, Senior Woodworking Welding I, Welding II, Welding III, Welding IV

# ART I

**COURSE: Art I**

GRADE: 9, 10, 11, 12

CREDIT: 1

PRE-REQUISITE: None

COURSE DESCRIPTION:

This course introduces the basic of drawing, painting and ceramics. Learning to draw using sighting techniques is emphasized the first semester. After drawing, students study the color wheel and color mixing. Various paint media are introduced. Projects are made in ceramics using the hand building techniques: coil, slab, and pinch. This course includes, but is not limited to, previous mentioned items. Each student works at their own pace according to their ability.

**COURSE: Art II**

GRADE: 10, 11, 12

CREDIT: 1

PRE-REQUISITE: Art I

COURSE DESCRIPTION:

Art II is a combination of reviewing the concepts and media learned in Art I and an opportunity to gain greater expertise in these areas. In drawing, students learn to draw portraits and shade values accurately. In painting, students work with acrylic on canvas as well as other paint media. A greater emphasis is placed on the drawing media other than pencil; such as pen and ink, pastel or charcoal, markers and colored pencil. Students may also use the computer program, Adobe Photoshop and learn to scan and manipulate images. Any student who has transferred from another school or has not completed the Drawing I curriculum will be expected to learn what they missed. This includes sighting techniques, color theory or ceramic hand building techniques.

**COURSE: Art III**

GRADE: 11, 12

CREDIT: 1

PRE-REQUISITE: Art I and Art II

**COURSE DESCRIPTION:**

Emphasis is on application of techniques, methods, and information gathered in previous years of art instruction. This course allows for individual style, creativity, and imagination to develop and grow. Students are encouraged to do in-depth study in the media of their preference. Participation in helping plan their personal curriculum with goals and objectives is required.

**COURSE: Art IV**

**GRADE: 12**

**CREDIT: 1**

**PRE-REQUISITE: Art I, Art II, and Art III**

**COURSE DESCRIPTION:**

Emphasis is on application of techniques, methods, and information gathered in previous years of art instruction. This course allows for individual style, creativity, and imagination to develop and grow. Students are encouraged to do in-depth study in the media of their preference. Participation in helping plan their personal curriculum with goals and objectives is required.

## **BUSINESS**

**COURSE: Accounting I**

GRADE: 10, 11, 12

CREDIT: 1

PRE-REQUISITE: None

COURSE DESCRIPTION:

This course will introduce students to accounting, which they will use as adult consumers and employees. Financial transactions are analyzed and recorded and financial statements are produced. Students will learn the procedures needed to begin entry-level accounting careers, to further their study of accounting, and to handle personal business applications. Computerized accounting applications will be introduced at this level.

**COURSE: Computerized Accounting II**

GRADE: 11, 12

CREDIT: 1

PRE-REQUISITE: Accounting I

COURSE DESCRIPTION:

Work will be completed using both hand journalizing and computerized accounting. Accounting terminology related to the framework of accounting and the different forms of business organizations are studied. Applications of accounting concepts will be demonstrated by using the Automated Accounting 8.1 computer program as well as end of chapter problems and tests. Professional simulations on the computer are completed as part of the study as well. General accounting principals as well as corporate accounting principals are used in this course.

**COURSE: Computer Technology Regents**

GRADE: 9, 10, 11, 12

CREDIT: 1

PRE-REQUISITE: Keyboarding

COURSE DESCRIPTION:

Students will gain functional use of a Windows System and explore various uses of Microsoft Office 2000 software package; including an in-depth look at Word, Excel, and PowerPoint. Students also use the Internet for search and e-mail components.

**COURSE: Computer Technology II**

GRADE: 10, 11, 12

CREDIT: 1

PRE-REQUISITE: Computer Technology I

COURSE DESCRIPTION:

This course allows for more intensive use of Microsoft Office 2000, Front Page 2000, Internet and email. Group projects using Print Shop, Internet searching and designing of a Web page are required.

**COURSE: General Business I**

GRADE: 9, 10, 11, 12

CREDIT: 1

PRE-REQUISITE: None

COURSE DESCRIPTION:

This course is designed to introduce students to the important role business plays in the lives of individuals as consumers and workers. Students will develop a better understanding of the free enterprise system and its place in our social and economic environment. It provides the skills, knowledge, and attitudes necessary for the individual to conduct one's own personal business affairs.

**COURSE: In House Training**

GRADE: 11, 12

CREDIT: 1

PRE-REQUISITE: Computer Technology Regents and Computer Technology II and/or Accounting I and/or Accounting II

COURSE DESCRIPTION:

This course allows the students to work on business-like projects. Students complete booklets, programs and develop television displays for the Bulldog Channel.

**COURSE:     General Business II**

GRADE:     12

CREDIT:    1

PRE-REQUISITE: Computer Technology Regents, Computer Technology II, Accounting I, Computerized Accounting II, and In House Training

COURSE DESCRIPTION:

This course is designed to allow students to work off campus during the school day and to use their business skills in the “real world.”

Arrangements to work off campus must be made with the building principal and the selected business prior to enrolling in this course.

## **FAMILY AND CONSUMER SCIENCE**

**COURSE: Family and Consumer Science I: Introductory Course**

**GRADE:** 9, 10, 11, 12

**CREDIT:** 1

**PRE-REQUISITE:** None

**COURSE DESCRIPTION:**

This course helps students learn and apply essential life skills. Topics covered include careers, relationships, health and wellness, food and nutrition and clothes.

**COURSE: Family and Consumer Science II**

**GRADE:** 10, 11, 12

**CREDIT:** 1

**PRE-REQUISITE:** Family and Consumer Science I

**COURSE DESCRIPTION:** 1<sup>st</sup> Semester: Advance Family and Consumer Science

This semester expands cooking skills, meal planning, and food preparation techniques for today's society, cooking and hands-on-lab experiences and experiments. Clothing construction and design skills are improved. The unit concludes with aspects of life concerning personality development, getting along with others, types of relationships and important decisions one will be making.

**COURSE DESCRIPTION:** 2<sup>nd</sup> Semester: Parenting

This course is to help teens develop the skills and gain knowledge that will help them become better parents now and in the future. Students explore good management and interpersonal skills are relevant to parenting as well as guidelines for physical care, health and safety of children.

**COURSE: Family and Consumer Science III:**

**GRADE:** 11, 12

**CREDIT:** 1

**PRE-REQUISITE:** Family and Consumer Science I and II

**COURSE DESCRIPTION:** 1<sup>st</sup> Semester: Nutrition and Wellness

This course discusses the importance of nutrition to health and wellness for the individual, family, community, and workplace, and how it interacts physically, mentally, and socially. Wellness helps students make wise food choices for active living and weight maintenance.

**COURSE DESCRIPTION:** 2<sup>nd</sup> Semester: Consumer Management

This course will help students understand our economy, managing family and personal finances through budgeting and decision making. Students will become better shoppers by making informed purchases in foods, clothing, transportation housing, insurance, and recreation. Students learn how to build financial futures by learning how to save, stay out of debt, and making good investments.

**COURSE: Senior Family and Consumer Science III:**

**GRADE:** 12

**CREDIT:** 1

**PRE-REQUISITE:** Only Open To Seniors (Family and Consumer Science I, II, and III)

**COURSE DESCRIPTION:** 1<sup>st</sup> Semester: Independent Living

This course is designed to help students be ready to move out on their own. Units are nutrition for a lifetime including the food guidelines and meal planning, and food preparation techniques for today's society, clothing for a lifetime including management, effect of and on careers, proper care and repairs, and setting up housekeeping including time and money management, consumer rights and responsibilities, housing types, care, costs and safety.

**COURSE DESCRIPTION:** 2<sup>nd</sup> Semester: Balancing Work and Family

This course focuses on the significance of human relationships in the family unit. Areas discussed include understanding themselves and the goals decision making and career choices, the effects of interaction and communication, possible areas of conflict, resolving conflicts and the interrelationship of work and family.

## FOREIGN LANGUAGE

**COURSE:** Spanish I

**GRADE:** 9, 10, 11, 12

**CREDIT:** 1

**PRE-REQUISITE:** None

**COURSE DESCRIPTION:**

In Spanish I, major emphasis is placed on the ability to understand, speak, read, and write at minimal levels and understand a foreign language when spoken at a normal speed on a subject within the range of the student's experience and vocabulary. The student is given the opportunity to hear and use Spanish in the classroom by means of the textbook, audio tapes and video films. The culture and geography of the Hispanic countries are also discussed.

**COURSE:** Spanish II

**GRADE:** 10, 11, 12

**CREDIT:** 1

**PRE-REQUISITE:** Spanish I

**COURSE DESCRIPTION:**

Spanish II continues to emphasize listening, speaking, reading, and writing. Unlike Spanish I, much more emphasis is placed on reading and writing. The knowledge of grammar is expanded. Culture and geography of the Hispanic countries are also studied in more depth. An understanding of the literary and cultural heritage of the people is included in this course.

**COURSE:** Spanish III

**GRADE:** 11, 12

**CREDIT:** 1

**PRE-REQUISITE:** Spanish I, Spanish II

**COURSE DESCRIPTION:**

Spanish III is directed mostly towards conversation, direct reading and amplification of grammar in composition. At this level, some degree of fluency of written and oral communication should be achieved. The material will involve cultural concepts and ideas, as well as aiding the students in writing and correct pronunciation.



## General

**COURSE: Library Aide**

GRADE: 11, 12

CREDIT: 1

PRE-REQUISITE: None

COURSE DESCRIPTION:

Students may apply to be a library aide. Duties will include helping with general housekeeping, making bulletin boards, process books, magazines, etc.

**COURSE: Office Aide**

GRADE: 11, 12

CREDIT: 1

PRE-REQUISITE: None

COURSE DESCRIPTION:

Students may apply to be an office aide. Duties will vary according to office needs.

**COURSE: Study Skills**

GRADE: 9, 10, 11, 12

CREDIT: 1

PRE-REQUISITE: None

COURSE DESCRIPTION:

This course is designed for students with a Special Education IEP for assistance with meeting the goals and objectives state in the student's IEP. Students, parents, special education instructors, and principal will plan the enrollment needs for this course.

## SOCIAL STUDIES

**COURSE: World History**

GRADE: 10

CREDIT: 1

PRE-REQUISITE: None

COURSE DESCRIPTION:

This course is designed to provide a survey of world history by learning how political developments and the growth of ideas, religions, education, art, and other civilizing forces have helped shape the world of today. Students will develop an appreciation of the world's major peoples, their cultures and their unique histories.

**COURSE: American History**

GRADE: 11

CREDIT: 1

PRE-REQUISITE: None

COURSE DESCRIPTION:

Students will study the United States from Reconstruction to the present. This study of Reconstruction, settlement of the frontier, immigration, World War I and II, Cold War events, the Civil Rights Era, Vietnam, and the present will show how the United States has grown into the country it is today.

**COURSE: American Government**

GRADE: 12

CREDIT: 1

PRE-REQUISITE: American History

COURSE DESCRIPTION:

Students will study the process used to form our American Government. Emphasis will be placed on the development of the Constitution, executive, legislative and judicial branches and how past and present political happenings that have affected our government.

**COURSE:     Advanced History**

GRADE:     11&12

CREDIT: 1

PRE-REQUISITE: None

**COURSE DESCRIPTION:**

This course is intended to give the student a more in-depth analysis of specific time periods and events throughout American and World History. Each nine weeks the class will cover one historical era or event.

Topics that will be covered, but are not limited to, include: Ancient Rome, Ancient Greece, Medieval Europe, the Renaissance, American Revolution, French Revolution, Imperialism, World War I, the Great Depression, World War II, the Cold War, Civil Rights era, Vietnam War era, Africa, Asia, and the Muslim world.

Methods of instruction will include notes, group discussion, research, media associated with the era/event, and using alternate sources (Internet, historical texts, literature from the time period).

Evaluation will be conducted through tests (objective and essay), daily assignments, research papers, and discussion.

# ENGLISH

**COURSE: English I**

GRADE: 9

CREDIT: 1

PRE-REQUISITE: None

COURSE DESCRIPTION:

Included in this course is a brief review of writing skills, including grammar and punctuation. Vocabulary tests will be included. A variety of papers will be written during the year, including opinion, informative, persuasive, narrative, and characterization sketches. The course will also focus on the following types of literature: Short stories, drama, biographies, essays, novels, and poetry. Students will be required to read at least two novels.

**COURSE: English II**

GRADE: 10

CREDIT: 1

PRE-REQUISITE: English I

COURSE DESCRIPTION:

Included in this course is a brief review of writing skills, including grammar and punctuation. Vocabulary tests will be included. A variety of papers will be written during the year, including opinion, informative, persuasive, narrative, and characterization sketches. The course will also focus on the following types of literature: Short stories, drama, biographies, essays, novels, and poetry. Students will be required to read at least two novels.

**COURSE: English III**

GRADE: 11

CREDIT: 1

PRE-REQUISITE: English I, English II

COURSE DESCRIPTION:

This course will focus on expository writing, the various aspects of technical writing and computer application enhancements. Students will write instructions, process

descriptions, memos, and technical research reports. The process will involve constructing clear and simple composition, problem-solving, and computer-generated graphic elements to enhance writing. In addition to the technical aspect of the course, students will study traditional English curriculum. They will study American literature from the colonial period (1500's to 1740) through the contemporary writers of the 20<sup>th</sup> century. The grammar of each time period is studied and compared to our language today. Composition includes descriptive writing, expository writing, critical analysis, and a research paper.

**COURSE: English IV**

GRADE: 12

CREDIT: 1

PRE-REQUISITE: English I, English II and English III

**COURSE DESCRIPTION:**

This course will focus on expository writing, the various aspects of technical writing and computer application enhancements. Students will write instructions, process descriptions, memos, and technical research reports. The process will involve constructing clear and simple composition, problem-solving, and computer-generated graphic elements to enhance writing. In addition to the technical aspect of the course, students will study traditional English curriculum. They will study English literature from the Middle Ages up to the 20<sup>th</sup> century. The grammar of each time period is studied and compared to our language today. Composition includes descriptive writing, expository writing, critical analysis, and a research paper. A Senior Project will be completed the last nine weeks.

**COURSE: Applied Communications**

GRADE: 11

CREDIT: 1

PRE-REQUISITE: English I, English II

**COURSE DESCRIPTION:**

This course is designed to expand communication skills and better prepare the student for college speech courses or the work force. Student will explore a variety of speech styles, including expository, persuasive, and extemporaneous, with an emphasis on delivery techniques, organization of ideas, and confidence building. A school play will also be a component of the Speech class.

**COURSE: Yearbook**

**GRADE: 11, 12**

**CREDIT: 1**

**PRE-REQUISITE:** Keyboarding, Computers I, "B" average in English I and English II, Teacher referral

**COURSE DESCRIPTION:**

The staff will publish the school yearbook. Techniques studies will include journalistic writing, interviewing, design and advertising. All techniques will be used in the actual lab work during the creation and publishing of the yearbook. Photographers and copywriters will be expected to go on assignment to school events, both during and after school hours, and are responsible for developing photos and/or writing yearbook copy. Students wishing to be on staff should be aware that outside class time is required. Course size is limited.

# MATHEMATICS

**COURSE:** Applied Mathematics I\*

**GRADE:** 9

**CREDIT:** 1

**PRE-REQUISITE:** None

**COURSE DESCRIPTION:**

This is a study of basic mathematics operations of whole numbers, fractions, decimals, and percentages with applications. It also includes a study of measurements in metric and the customary units. Applications to agriculture, business, health, and technical areas are taught where appropriate.

**\* Applied Mathematics I, Applied Mathematics II, and Applied Mathematics III will be offered on a yearly rotating basis or on an as needed basis.**

**COURSE:** Applied Mathematics II\*

**GRADE:** 10, 11

**CREDIT:** 1

**PRE-REQUISITE:** None

**COURSE DESCRIPTION:**

This is a review of basic mathematics operations of whole numbers, fractions, decimals, percentages, ratio, and proportion. Applications to agriculture, business, health, and technical areas are taught where appropriate. Other topics are basic algebra covering operations on integers, algebraic equations, scientific notation, and right triangle trigonometry. Problem solving and applications are taught where appropriate.

**\* Applied Mathematics I, Applied Mathematics II, and Applied Mathematics III will be offered on a yearly rotating basis or on an as needed basis.**

**COURSE:** Applied Mathematics III\*

**GRADE:** 9, 10, 11, 12

**CREDIT:** 1

**PRE-REQUISITE:** None

**COURSE DESCRIPTION:** Percents and the applications of percents to adult living are stressed. These topics include sales tax, income tax, commission, markups, credit cards, purchasing/leasing vehicles, home mortgages/real estate, and budgeting. Collecting, graphing, and interpreting data is an additional area of study. An algebra unit covers solving equations and inequalities, graphing equations and inequalities. A right triangle trigonometry unit covers sine, cosine, and tangent functions and applications of the same.

**\* Applied Mathematics I, Applied Mathematics II, and Applied Mathematics III will be offered on a yearly rotating basis or on an as needed basis.**

**COURSE: Pre-Algebra**

GRADE: 9, 10, 11, 12

CREDIT: 1

PRE-REQUISITE: 7<sup>th</sup> Grade Math, Applied Math I or Applied Math II (A student must have received a grade of a C or above in 7<sup>th</sup> Grade Math, Applied Math I, Applied Math II, or have permission from the math instructor.)

COURSE DESCRIPTION

Pre-algebra is the study of the basic operations of whole numbers, fractions, decimals and rational numbers. Algebraic equations and the methods used to solve them are applied to vocational technical topics, the geometry of angles, lines, and geometric figures, and right triangle trigonometry. Other topics include reading and interpreting data, and graphs, graphing or linear equations and inequalities, and problem solving of applications where appropriate.

**COURSE: Algebra I**

GRADE: 9, 10, 11, 12

CREDIT: 1

PRE-REQUISITE: 8<sup>th</sup> Grade Math, Applied Mathematics I (A student must have received a grade of a C or above in 8<sup>th</sup> Grade Math or Applied Math I or have permission from the math instructor.)

COURSE DESCRIPTION:

This is a basic course in algebra covering operations on integers and rational numbers: linear equations and inequalities; applications of linear equations and inequalities; graphing of linear equations and systems of linear equations; polynomials (addition, subtraction, multiplication, and division), factoring, exponential properties and radical expressions. Problem solving through applications is an integral portion of the course.

**COURSE: Geometry**

GRADE: 10, 11, 12

CREDIT: 1

PRE-REQUISITE: Algebra I (A student must have received a grade of a C or above in Algebra I or have permission from the math instructor.)

COURSE DESCRIPTION:

Geometry is the study of points, lines, angles, and plane figures. Algebra I concepts are reviewed and applied to geometry. Emphasis is given to logical reasoning and formal proofs. This course includes work in constructions, coordinate geometry, sequences and series, graphing conic sections, and an introduction to right triangle trigonometry.

**COURSE: Algebra II**

GRADE: 11, 12

CREDIT: 1

PRE-REQUISITE: Algebra I (A student must have received a grade of a C or above in Algebra I or have permission from the math instructor.)

COURSE DESCRIPTION:

This course includes study of linear equations and inequalities; systems in two and three unknowns using substitution, elimination, determinants, and minor and co-factors of row one; solving and graphing inequalities in two variables with applications to linear programming; rational equations, manipulation of radical expressions and equations; solving and graphing quadratic equations; and functions. Problem solving skills are used extensively in a variety of applications.

**COURSE: College Algebra**

GRADE: 12

CREDIT: 1

PRE-REQUISITE: Pratt Community College requires the following: A) Intermediate Algebra Assessment score of 40 – 55 or College Algebra Assessment score of 41 – 55 or B) a grade of C or above in Intermediate Algebra.

COURSE DESCRIPTION:

This course is designed for those students who are required by their major to complete the course. The course is an extension and application of algebra and the graphical representations of functions. The course develops topics of linear, radical, quadratic, polynomial, rational, piecewise smooth, and exponential and logarithmic functions, equations and inequalities, systems of non-linear equations and inequalities, and conic sections. The use of problem solving skills in a variety of applications is used extensively.

**COURSE: Trigonometry**

GRADE: 12

CREDIT: 1

PRE-REQUISITE: Algebra II

COURSE DESCRIPTION:

This course covers the six trigonometric functions, measurement of angles both in radians and degrees; solutions of the right and oblique triangles; trigonometric identities and trigonometric equations; inverse trigonometric functions and graphs of trigonometric functions. Optional topics are complex numbers, trigonometric form of complex numbers, and DeMoivre's theorem.

# MUSIC

**COURSE: Band**

GRADE: 9, 10, 11, 12

CREDIT: 1

PRE-REQUISITE: None

COURSE DESCRIPTION:

No audition required. Course provides students an opportunity to participate in marching, pep, concert and jazz bands. Students will perform throughout the school year for local businesses, community organizations and school programs. Students will have the opportunity to participate in league, regional and state competition.

**COURSE: Advanced Music**

GRADE: 11 & 12

CREDIT: 1

PRE-REQUISITE: Permission of Instructor Required

COURSE DESCRIPTION:

Students will work on compositions that the 4<sup>th</sup> hour band and/or individuals will perform throughout the year, as well as jazz improvisation and theory/appreciation skills.

Permission of instructor required. I prefer upper classmen, but freshman and sophomores are welcome on an interview basis. This class will be "a lot of work". The payoff is absolutely tremendous. These kids will be ready for college music theory and other collegiate course work in any area. Research intensive and heavy on performance assignments, this will not be for the student looking for an easy class. We will utilize the computer lab quite frequently for research as well as the studio for listening, performing, etc.

## PHYSICAL EDUCATION

**COURSE:** Physical Education and Health

GRADE: 9

CREDIT: 1

PRE-REQUISITE: None

COURSE DESCRIPTION:

This course involves two phases of instruction and activities. Part of the time is spent in the classroom studying health and the other part is spent participating in physical education activities. Health instruction is centered on mental health, personal health, sexuality, nutrition, care of the body, drugs, and other health related areas. The physical education phase involves such activities as aerobics, badminton, basketball, bowling, flag football, Frisbee, pickle ball, tennis, track and field, softball, and other lifetime recreational activities.

**COURSE:** Strength and Conditioning I

GRADE: 9, 10, 11, 12

CREDIT: 1

PRE-REQUISITE: None

COURSE DESCRIPTION:

This course is designed for the student-athlete, both male and female, as well as the student who wants to improve their physical condition and abilities through strength training and conditioning exercises using the basis of pre/post performance scores. The student can expect to set individual goals for the areas of strength, speed, cardiovascular efficiency, agility, and flexibility and should see gains in those areas. An understanding of the theory in the use of the above areas will be conveyed to all students to aid in their improvement as individuals not only during their time of enrollment in the course but also throughout their lifetime.

**COURSE:** Strength and Conditioning II, III, IV

GRADE: 10, 11, 12

CREDIT: 1

PRE-REQUISITE: None A student repeating this class must have a grade of a C or better in a prior Strength and Conditioning course or permission from the instructor.

## COURSE DESCRIPTION:

This course is designed for the student-athlete, both male and female, as well as the student who wants to improve their physical condition and abilities through strength training and conditioning exercises using the basis of pre/post performance scores. The student can expect to set individual goals for the areas of strength, speed, cardiovascular efficiency, agility, and flexibility and should see gains in those areas. An understanding of the theory in the use of the above areas will be conveyed to all students to aid in their improvement as individuals not only during their time of enrollment in the course but also throughout their lifetime.

## SCIENCE

**COURSE: Earth & Space Science**

GRADE: 9

CREDIT: 1

PRE-REQUISITE: None

COURSE DESCRIPTION:

Earth and Space Science is the study of theories such as plate tectonics and solar system formation. The course is designed to cover components of the Earth such as minerals, fossils, erosion, water, atmosphere, climate and space.

**COURSE: Biology**

GRADE: 10

CREDIT: 1

PRE-REQUISITE: Earth and Space Science

COURSE DESCRIPTION:

Biology is the study of the different forms of living things in our environment. The class is designed to learn about the scientific method, study the microscope and differences between plant and animal cells. Also covered are reproduction, genetics, ecology, plants, animals and how they are different, yet alike.

**COURSE: Human Anatomy**

GRADE: 11, 12

CREDIT: 1

PRE-REQUISITE: Earth and Space Science, Biology

COURSE DESCRIPTION:

Human Anatomy is the study of the makeup of the human body and the different systems that work together to maintain life. A variety of topics will be covered including cells, tissues, organs, systems and reproduction.

**COURSE: Chemistry**

GRADE: 11, 12

CREDIT: 1

PRE-REQUISITE: Earth and Space Science, Biology

COURSE DESCRIPTION:

Chemistry is the study of the composition and properties of all different forms of matter. The major areas studied are atoms, elements, compounds, reactions and changes that these different substances undergo.

**COURSE: Physics**

GRADE: 12

CREDIT: 1

PRE-REQUISITE: Algebra I, Geometry, Algebra II

COURSE DESCRIPTION:

Physics is the study of mathematical relationships, forces, gravity, work, power and the many different forms of machines. The different forms of motion, including vectors, sound, light, magnetic fields, electricity and the atom are studied as well.

**COURSE: Applied Science**

GRADE: 11, 12

CREDIT: 1

PRE-REQUISITE: Earth and Space Science, Biology

COURSE DESCRIPTION:

Applied Science is an advanced biology course. Concepts learned in biology will be used in a more directed approach to different species of life. Topics covered will include bacteria, viruses, fungi, invertebrates, and vertebrates. Scientific naming and showing relationships between living things is the focus of this course.

## INDUSTRIAL ARTS

**COURSE: Beginning Woodworking**

GRADE: 9, 10, 11, 12

CREDIT: 1

PRE-REQUISITE: None

COURSE DESCRIPTION:

This is a beginning course that offers the basics in drafting and woodworking. Basic drafting includes techniques, projections, and dimensioning. These skills will be used for projects developed in Beginning and Advanced Woodworking. Project planning, hand and power tool usage, and finishing processes are taught. Projects are designed to teach proper tool use. The text *Working with Wood* will be used throughout the year for homework and testing material.

**COURSE: Advanced Woodworking**

GRADE: 10, 11, 12

CREDIT: 1

PRE-REQUISITE: Beginning Woodworking (A student must have received a grade of a C or better in Beginning Woodworking, or permission from the instructor.)

COURSE DESCRIPTION:

Power tool use and safety will be reviewed, and students will help demonstrate concepts for Beginning Woodworking students. The text *Working with Wood* will be used throughout the year for homework and testing material. Projects will be the main emphasis, with project difficulty increasing over that of projects in Beginning Woodworking.

**COURSE: Beginning Welding**

GRADE: 9, 10, 11, 12

CREDIT: 1

PRE-REQUISITE: None

COURSE DESCRIPTION:

This is a basic course in metal working processes, designed for the beginning student. Emphasis will be on basic Arc welding, Oxy-Acetylene welding, Mig welding, Plasma Arc cutting, grinding and drilling machines, shears, hand tools and safety. Grade welds will be assigned for flat position welds on multiple types of joints and pipe. The text *Welding Skills* will be used throughout the year for homework and testing material.

**COURSE:     Advanced Welding**

GRADE:     10, 11, 12

CREDIT: 1

PRE-REQUISITE: Beginning Welding: A student must have received a grade of a C or better in Beginning Welding or permission from the instructor.

COURSE DESCRIPTION:

This is an advanced course in metal working processes learned in Beginning Welding. An advanced project will be required using all the areas mentioned in the Beginning Welding course description. The text *Welding Skills* will be used throughout the year for homework and testing material.

## **GUIDELINES FOR FRESHMEN**

- 1. Develop a Four-Year Plan. To earn an Attica High School Diploma, a student must complete the requirements set forth by the Kansas State Department of Education and Unified School District #511 Board of Education.**

**Presently, twenty-four credits are required for graduation. These credits include:**

**Four (4) units of English Language Arts.**

**One (1) unit of speech communication.**

**Two (3) units of mathematics.**

**Three (3) units of social studies.**

**Two (3) units of science.**

**One (1) unit of physical education/health.**

**One (1) unit of keyboarding.**

- 2. Establish your own educational and academic goals.**
- 3. Keep up your grades!! Do not hesitate to ask an instructor for help!!**
- 4. Be aware of your Grade Point Average (GPA). Remember, only semester grades are recorded on your transcript.**
- 5. Get involved in extra curricular activities. Involvement in music, sports, clubs, organizations, etc. are important when applying for scholarships and jobs.**
- 6. Become involved in community activities. College scholarship criteria involve community involvement. Scholarship committees want active people!**
- 7. Schedule and use your time wisely.**
- 8. Read as much as you can.**
- 9. It is not too early to start your post high school career. Talk to people in occupations that interest you!**

## **GUIDELINES FOR SOPHOMORES, JUNIORS,**

### **AND SENIORS**

1. **Continue to develop your academic plan. To earn an Attica High School Diploma, a student must complete the requirements set forth by the Kansas State Department of Education and Unified School District #511 Board of Education.**

**Presently, twenty-four credits are required for graduation. These credits include:**

**Four (4) units of English Language Arts.**

**One (1) unit of speech communication.**

**Two (3) units of mathematics.**

**Three (3) units of social studies.**

**Two (3) units of science.**

**One (1) unit of physical education/health.**

**One (1) unit of keyboarding.**

2. **Continue to establish educational and academic goals.**
3. **Continue to study hard and keep up your grades!! Do not hesitate to ask an instructor for help!! They want you to be successful!!**
4. **Your Grade Point Average (GPA) is important. Remember, only semester grades are recorded on your transcript.**
5. **Get involved in extra curricular activities. Involvement in music, sports, clubs, organizations, etc. are important when applying for scholarships and jobs.**
6. **Continue your involvement in community activities. College scholarship criteria involve community involvement. Scholarship committees want active people!**
7. **Schedule and use your time wisely.**
8. **Read as much as you can.**
9. **Continue to explore your post high school career opportunities. People want to talk about their occupations. Go talk to them!**

## **FRESHMEN PRE-ENROLLMENT FORM**

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Address: \_\_\_\_\_

Parents: \_\_\_\_\_

Home Telephone: \_\_\_\_\_

Emergency Telephone: \_\_\_\_\_

Freshmen must enroll in the following required classes:

**Language Arts:** English I

**Math:** Applied Mathematics I, Pre-Algebra or Algebra I

**Science:** General Science

**Physical Education:** Physical Education and Health

Freshmen must enroll in three elective classes. Please select your top five (5) choices by numbering them one (1) through five (5) in the blank behind each selected class with number one (1) being your top choice.

**Art:** Art I \_\_\_\_

**Business:** Computer Technology I \_\_\_\_, General Business \_\_\_\_

**Family and Consumer Science:** Family and Consumer Science I \_\_\_\_

**Foreign Language:** Spanish I \_\_\_\_

**Music:** Band \_\_\_\_, Vocal \_\_\_\_

**Physical Education:** Strength and Conditioning I \_\_\_\_

**Service Learning:** Service Learning I \_\_\_\_

**Vocational Department:** Communication and Construction I \_\_\_\_, Welding I \_\_\_\_

Student's Signature: \_\_\_\_\_

Parent's Signature: \_\_\_\_\_

Please list activities you are interested in:

\_\_\_\_\_

## **SOPHOMORE PRE-ENROLLMENT FORM**

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Address: \_\_\_\_\_

Parents: \_\_\_\_\_

Home Telephone: \_\_\_\_\_

Emergency Telephone: \_\_\_\_\_

Sophomores must enroll in the following required classes:

**Language Arts:** English II

**Math:** Applied Mathematics II, Pre-Algebra, Algebra I or Geometry      **Science:**  
Biology,

**Social Studies:** World History

Sophomores must enroll in three elective classes. Please select your top five (5) choices by numbering them one (1) through five (5) in the blank behind each selected class with number one (1) being your top choice.

**Art:** Art I \_\_\_\_, Art II \_\_\_\_

**Business:** Accounting I \_\_\_\_\_,

Computer Technology I \_\_\_\_, Computer technology II \_\_\_\_\_,

General Business \_\_\_\_

**Family and Consumer Science:** Family and Consumer

Science I \_\_\_\_, Family and Consumer Science II \_\_\_\_

**Foreign Language:** Spanish I \_\_\_\_, Spanish II \_\_\_\_

**Music:** Band \_\_\_\_, Vocal \_\_\_\_

**Physical Education:** Strength and Conditioning I \_\_\_\_\_,

Strength and Conditioning II \_\_\_\_\_

**Service Learning:** Service Learning I \_\_\_\_\_,

**Vocational Department:** Communication and Construction I \_\_\_\_\_,

Communication and Construction II \_\_\_\_, Welding I \_\_\_\_,

Welding II \_\_\_\_\_

Student's Signature: \_\_\_\_\_

Parent's Signature: \_\_\_\_\_

Please list activities you are interested in:

\_\_\_\_\_

## **JUNIOR PRE-ENROLLMENT FORM**

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Address: \_\_\_\_\_

Parents: \_\_\_\_\_

Home Telephone: \_\_\_\_\_

Emergency Telephone: \_\_\_\_\_

Juniors must enroll in the following required classes:

**Language Arts:** English III and Applied Communications

**Social Studies:** American History

Juniors must enroll in five elective classes. Please select your top seven (7) choices by numbering them one (1) through seven (7) in the blank behind each selected class with number one (1) being your top choice.

**Art:** Art I \_\_\_\_, Art II \_\_\_\_, Art III \_\_\_\_

**Business:** Accounting I\_\_\_\_, Accounting II \_\_\_\_,  
Computer Technology I \_\_\_\_, Computer Technology II \_\_\_\_\_,  
General Business \_\_\_\_, In House Training \_\_\_\_\_

**Family and Consumer Science:** Family and Consumer  
Science I \_\_\_\_, Family and Consumer Science II\_\_\_\_\_,  
Family and Consumer Science III \_\_\_\_\_

**Foreign Language:** Spanish I \_\_\_\_, Spanish II\_\_\_\_\_,  
Spanish III \_\_\_\_\_

**General:** Library Education \_\_\_\_, Office Aide \_\_\_\_\_

**Language Arts:** Yearbook I\_\_\_\_\_

**Mathematics:** Algebra I \_\_\_\_\_, Geometry \_\_\_\_\_,  
Algebra II \_\_\_\_\_

**Music:** Band \_\_\_\_\_, Vocal \_\_\_\_\_

**Physical Education:** Strength and Conditioning I \_\_\_\_\_,  
Strength and Conditioning II \_\_\_\_,  
Strength and Conditioning III \_\_\_\_

**Science:** Biology\_\_\_\_, Human Anatomy \_\_\_\_\_, Chemistry \_\_\_\_\_, Physics \_\_\_\_\_

**Service Learning:** Service Learning I \_\_\_\_,  
Service Learning II \_\_\_\_\_

**Vocational:** Communication and Construction I \_\_\_\_\_,  
Communication and Construction II \_\_\_\_\_,  
Carpentry I \_\_\_\_, Furniture Making I \_\_\_\_\_,  
Computer Aided Drafting (CAD) I \_\_\_\_\_,  
Welding I \_\_\_\_, Welding II \_\_\_\_, Welding III \_\_\_\_

Student's Signature: \_\_\_\_\_

Parent's Signature: \_\_\_\_\_

Please list activities you are interested in: \_\_\_\_\_

## **SENIOR PRE-ENROLLMENT FORM**

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Address: \_\_\_\_\_

Parents: \_\_\_\_\_

Home Telephone: \_\_\_\_\_

Emergency Telephone: \_\_\_\_\_

Seniors must enroll in the following required classes:

**Language Arts:** English IV

**Social Studies:** American Government

Juniors must enroll in five elective classes. Please select your top seven (7) choices by numbering them one (1) through seven (7) in the blank behind each selected class with number one (1) being your top choice.

**Art:** Art I \_\_\_\_, Art II \_\_\_\_, Art III \_\_\_\_, Art IV \_\_\_\_

**Business:** Accounting I \_\_\_\_, Accounting II \_\_\_\_, Computer Technology I \_\_\_\_,  
Computer Technology II \_\_\_\_, General Business \_\_\_\_, In House Training \_\_\_\_\_

**Family and Consumer Science:** Senior Family and Consumer Science \_\_\_\_

**Foreign Language:** Spanish I \_\_\_\_, Spanish II \_\_\_\_, Spanish III \_\_\_\_

**General:** Library Education \_\_\_\_, Office Aide \_\_\_\_

**Language Arts:** Yearbook I \_\_\_\_, Yearbook II \_\_\_\_

**Mathematics:** Algebra I \_\_\_\_, Geometry \_\_\_\_,  
Algebra II \_\_\_\_, College Algebra \_\_\_\_, Trigonometry \_\_\_\_

**Music:** Band \_\_\_\_, Vocal \_\_\_\_

**Physical Education:** Strength and Conditioning I \_\_\_\_\_,  
Strength and Conditioning II \_\_\_\_, Strength and Conditioning III \_\_\_\_,  
Strength and Conditioning IV \_\_\_\_

**Science:** Biology \_\_\_\_, Human Anatomy \_\_\_\_\_,  
Chemistry \_\_\_\_, Physics \_\_\_\_\_

**Service Learning:** Service Learning I \_\_\_\_,  
Service Learning II \_\_\_\_, Service Learning III \_\_\_\_ **Vocational:** Communication  
and Construction I \_\_\_\_, Communication and Construction II \_\_\_\_\_,  
Carpentry I \_\_\_\_, Carpentry II \_\_\_\_, Furniture Making I \_\_\_\_,  
Furniture Making II \_\_\_\_, Computer Aided Drafting (CAD) I \_\_\_\_,  
Computer Aided Drafting II \_\_\_\_, Senior Woodworking \_\_\_\_\_  
Welding I \_\_\_\_, Welding II \_\_\_\_, Welding III \_\_\_\_, Welding IV \_\_\_\_

Student's Signature: \_\_\_\_\_

Parent's Signature: \_\_\_\_\_