WELLSTON HIGH SCHOOL

COURSE OF STUDY
2014-2015

Wellston City Schools: Soaring to New Heights
March 13, 2014

Dear Parents,

Inside this booklet you will find Wellston High School's course of study. It is a summary of each class that we offer in the academic areas that all students will encounter throughout their high school career. Today's education is much different than the past. There are more mandates, than ever before, on our public schools to ensure that our students are college and career ready. With that said, we encourage you to assist your child when selecting school courses, which will affect their future.

In order to do that, this document provides the following information:

- Wellston High School's grading scale and graduation requirements
- An outline of the Ohio Core Curriculum
- Buckeye Hills Career Center requirements
- An outline of how to obtain the Honors Diploma
- Wellston High School recommended course choices by grade level
- Course descriptions

Please note that we are obligated to provide a rigorous and comprehensive education for each student to help them prepare for their future. Please note that all courses offered at Wellston High School focus on preparation for college. We believe in all of our students, and only want the best for them. We ask that you look through this document with your child and help them make a plan for their future. Like most plans, it may change, but your child needs to have an idea as to where they are going in order for their education to make sense.

As always, feel free to contact us at the high school if you have any questions at all. We are happy to help in any way we can to assist in your child's future successes.

Sincerely,

Megan Aubrey, WHS Principal

Mike Lackey, WHS Assistant Principal

WELLSTON HIGH SCHOOL
GRADING SCALE AND GRADUATION REQUIREMENTS

The following list of requirements contains the minimum standards that have been mandated by the State of Ohio, Department of Education and/or the Wellston City School Board of Education. These standards are firm and cannot be compromised in any way. **Students are encouraged to earn more than the minimum number of credits required for graduation.**

STUDENTS MUST EARN 22 CREDITS TO GRADUATE FROM WELLSTON HIGH SCHOOL.

CLASSES OF 2014 AND BEYOND—The Ohio Core Curriculum

New legislation prescribes a change in the distribution of credits students must take in order to graduate from any Ohio high school. Students who enter the ninth grade in the 2010-2011 school year must complete these requirements.

English/L.A.	4 credits
Mathematics	4 credits (including 1 credit of Algebra II or its equivalent.)
Science	3 credits (including 1 unit of physical sciences, 1 unit of life sciences and 1 unit advanced study in one or more of the following sciences: chemistry, physics, or other physical science; advanced biology or other life science; astronomy, physical geology, or other earth or space science)
Social Studies	3 credits (including 0.5 credits of American History and 0.5 credits of American Government.)
Health	0.5 credits
Physical Education	0.5 credits (120 hours)
Electives	5 credits (which must consist of one or any combination of foreign language, fine arts, business, career-technical education, family and consumer sciences, technology, agricultural education, or English language arts, math, science, or social studies courses not required under the Core.

4.0 Scale			4.5 Scale		
93 – 100	A	4.00	93 – 100	A	4.50
90 – 92	A-	3.67	90 – 92	A-	4.25
88 – 89	B+	3.33	88 – 89	B+	3.75
83 – 87	B	3.00	83 – 87	B	3.50
80 – 82	B-	2.67	80 – 82	B-	3.25
78 – 79	C+	2.33	78 – 79	C+	2.75
73 – 77	C	2.00	73 – 77	C	2.50
70 – 72	C-	1.67	70 – 72	C-	1.75
68 – 69	D+	1.33	68 – 69	D+	1.33
63 – 67	D	1.00	63 – 67	D	1.00
60 – 62	D-	0.67	60 – 62	D-	0.67
59 – 0	F	0.00	59 – 0	F	0.00

Weighted Courses

The following courses will be calculated on the 4.5 Scale.

Wellston High School Courses

- AP English, AP Chemistry
- Physics, Pre-Calculus, Calculus
- All Dual Credit Courses

Post Secondary Option Courses

- College English Courses**
- College Science Courses
- College Pre-calculus or Calculus

Maximum number of PSEO classes accepted on the Weighted Scale is equal to the number of classes available on the Weighted Scale at Wellston High School.

** (equivalent to 2 semesters of English at the WHS)

Buckeye Hills Entry Requirements: 6 credits plus 2-years of high school

What It Takes To Earn an Ohio Diploma
Graduating Classes of 2014 and Beyond

Students must meet both testing requirements and curriculum requirements in order to earn a diploma. These requirements apply to students entering their freshman year in 2010 and beyond. See the two checklists below for more information about these two diploma requirements. The third section provides information about an alternative way to meet the testing requirements.

Curriculum Requirements

Curriculum Requirements	State Minimum	Additional Local Credits	Credits Earned to Date	Credits Remaining	Honors Diploma Credits
English Language Arts	4 units				
Health	½ unit				
Mathematics	4 units[1]				
Physical Education	½ unit[2]				
Science	3 units[3]				
Social Studies	3 units[4]				
Electives	5 units[5]				
Other Requirements[6]					
Economics & Financial Literacy[6]	Requirements met in _____class/grade level.				
Fine Arts[6]	Requirements met in _____class/grade level.				

[1]Mathematics units must include 1 unit of algebra II or the equivalent of algebra II.

[2]The Ohio Core allows school districts to adopt a policy that would exempt students who participate in interscholastic athletics, band or cheerleading for two full seasons from the physical education requirement. Students must take another course of at least 60 contact hours in its place.

[3]Science units must include 1 unit of physical sciences, 1 unit of life sciences and 1 unit advanced study in one or more of the following sciences: chemistry, physics, or other physical science; advanced biology or other life science; astronomy, physical geology, or other earth or space science.

[4]Social studies units must include ½ unit of American history and ½ unit of American government.

[5] Electives units must include one or any combination of foreign language, fine arts, business, career-technical education, family consumer sciences, technology, agricultural education or English language arts, mathematics, science or social studies courses not otherwise required.

[6]All students must receive instruction in economics and financial literacy during grades 9-12 and must complete at least two semesters of fine arts taken any time in grades 7-12. Students following a career-technical pathway are exempted from the fine arts requirement.

Comparison of Diplomas with Honors Criteria

Students need to fulfill all but one of the applicable criteria for the Diploma with Honors.

Subject	International Baccalaureate Diploma with Honors for Classes of 2012 and Beyond ***	Academic Diploma with Honors for Classes 2011 and Beyond	Career-Technical Diploma with Honors for Classes 2012 and Beyond
English	**4 units, plus the two required International Baccalaureate essays**	**4** units	**4** units
Mathematics	**4 units, including Algebra I, Geometry, Algebra II or the equivalent and another higher level course or a four-year sequence of courses that contain equivalent content**	**4** units, including Algebra I, Geometry, Algebra II or the equivalent and another higher level course or a four-year sequence of courses that contain equivalent content	**4** units, including Algebra I, Geometry, Algebra II or the equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
Science	**4 units including biology, chemistry and at least one additional advanced science ******	**4** units, including physics and chemistry	**4 units, including two units of advanced science ******
Social Studies	**4 units**	**4** units	**4** units
Foreign Language	**4 units minimum, including at least 2 units in each language studied**	**3** units (must include no less than 2 units for which credit is sought), i.e., 3 units of one language or 2 units each of two languages	N/A
Fine Arts	**1 unit**	**1** unit	N/A
Electives	**N/A**	N/A	**4** units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post secondary credit
Grade Point Average	**3.5 on a 4.0 scale**	**3.5** on a 4.0 scale	**3.5** on a 4.0 scale
ACT/SAT Score [excluding scores from the writing sections]*	**27 ACT / 1210 SAT**	**27** ACT / **1210** SAT	**27** ACT / **1210** SAT
Additional Assessment	**Must complete criterion-referenced assessments in a minimum of six academic disciplines**	N/A	Achieve proficiency benchmark established for appropriate Ohio Career-Technical Competency Assessment or equivalent

Diploma with Honors requirements pre-suppose the completion of all high school diploma requirements in the Ohio Revised Code including:

- ½ unit physical education**
- ½ unit health
- ½ unit in American history
- ½ unit in government

* Writing sections of either standardized test should not be included in the calculation of this score.

** SB 311 allows school districts to adopt a policy exempting students who participate in interscholastic athletics, marching band or cheerleading for two full seasons or two years of JROTC from the physical education requirement.

****** The International Baccalaureate track to the Honors Diploma requires full completion of all requirements for an IB Diploma Programme including the Theory of Knowledge Course in meta-cognition, the Extended Essay project and the 150 hour Creativity, Action and Service (Service-Learning) requirement. Note: The International Baccalaureate Certificate Program does not qualify for this track to the Diploma with Honors.***

******* Advanced science refers to courses in the Ohio Core that are inquiry-based with laboratory experiences and align with the 11/12th grade standards (or above) or with an AP science course, or with the new high school syllabi, or with an entry-level college course (clearly preparing students for a college freshman-level science class, such as anatomy, botany, or astronomy), or contain material above the current OGT level.***

WELLSTON HIGH SCHOOL
2014-2015 COURSE CHOICES

FRESHMAN YEAR	
Freshmen must have the following:	
COURSE	**CREDITS**
Freshman Academy	1
English 9	1
Algebra I **OR** Geometry	1
World History	1
Physical Science	1
Physical Education (Figure in your PE from WMS)	.5
Health	.5
Electives: Choose from the following:	
Spanish	1
Art I	.5 **OR** 1
CAD I	1
Band	1
Digital Imaging	.5
Healthy Living	.5
Managing Transitions	.5
Child Development	.5
Choir	1

SOPHOMORE YEAR	
Sophomores must have the following	
COURSE	**CREDITS**
English 10	1
American History	1
Geometry **OR** Algebra II	1
Biology	1
Electives: Choose from the following:	
Spanish I **OR** Spanish II	1
Art I **OR** Art II	1
CAD I **OR** CAD II	1
Choir	1
Band	1
Intro to Business	.5
Digital Imaging	1
Healthy Living	.5
Child Development	.5
Managing Transitions, Careers	.5
Books to Watch	.5
History of Rock	.5

JUNIOR YEAR	
Juniors must have the following:	
COURSE	**CREDITS**
English 11	1
Algebra II **OR** Pre-Calculus **OR** Calculus	1
Government/Economics	1
Anatomy **AND/OR** Chemistry	1
Forensics **AND/OR** Environmental	.5
General OGT **AND/OR** Earth	.5
Electives: Choose from the following:	
Spanish I **OR** Spanish II **OR** Spanish III	1
Art I **OR** Art II **OR** Art III	.5 **OR** 1
CAD I **OR** CAD II **OR** CAD III	1
Band **AND/OR** Choir	1
Digital Imaging	1
Information Tech, Design Techniques, Audio and Visual tech	1
Healthy Living, , Child Dev., Careers	.5
Journalism	.5
Advanced Physical Education	.5
Intro to Business	.5

SENIOR YEAR	
Seniors must have the following	
COURSE	**CREDITS**
English 12 **OR** AP	1
Journeys	1
Algebra II **OR** Algebra III, Pre-Calc **OR** Calculus	1
Electives: Choose from the following:	
Anatomy, Chemistry, AP Chemistry, Physics	1
Spanish I , II, III **OR** IV	1
Art I , II, III **OR** IV **OR** Senior Studio	.5 **OR** 1
CAD I, II, III **OR** IV	1
Band **AND/OR** Choir	1
Digital Imaging	1
Information Tech, Design Techniques, Audio and Visual tech	1
Healthy Living, Foods, Personal Dev., Child Dev., Careers	.5
History of Rock	.5
Journalism	.5
Advanced Physical Education	.5
Intro to Business	.5
Books to Watch	.5
Research	.5
Conspiracies, Great Figures, Sociology, Economics	.5
Women's History	.5

NOTE: The Math, Social Studies and Science Courses which could also be considered electives are only suggested timelines. When the courses are taken may vary based on the student's interest.

ENGLISH CORE COURSES

English 9 **Full year** **1.0** **4.0 scale**

We discuss and analyze different types of literature including, nonfiction, poetry, short stories and novels, the class achieves this through group work, discussion, lecture, projects and formative/summative assessment. We also write essays focusing on content, analysis and grammar.

English 10 **Full year** **1.0** **4.0 scale**

In this course students continue to develop their reading, writing, speaking and listening skills through a variety of poetry, novels, short stories, plays and nonfiction writings developed around universal themes that connect students to the world. This will include writing persuasive, expository and narrative essays, public speaking, the study of grammatical conventions, and vocabulary development.

English 11 **Full year** **1.0** **4.0 scale**

Students will read and respond to a wide variety of American Literature, Students will be expected to read and write at, near, or above grade level. Students will hone their reading and writing skills in preparation for the ACT college entrance assessment. The genres of non-fiction, fiction, and poetry will be studied.

AP English – Literature **Full year** **1.0** **4.5 scale**

Prerequisite: Complete summer reading list, recommendation from 11th grade English teacher, SRI reading levels match grade lever or above, agreement to take AP test in May.

The AP English Literature and Composition course is designed to engage students in careful reading and critical analysis of imaginative literature. Through the analysis of selected texts, students can deepen their understanding of the ways writers provide both meaning and pleasure for their readers, As they read, students will consider a work's structure, style, and themes, as well as such smaller scale study of the use of figurative language, imagery, symbolism, and tone. Students will prepare for the AP exam to be given in May.

Senior English **Full year** **1.0** **4.0 scale**

Students will develop the language skills necessary to succeed in both college and a career; Students will read and respond to a wide variety of work with an emphasis placed on British Literature, Students will be expected to read and write at or near grade level. The genres of poetry, non-fiction, and fiction will be covered with an importance placed on analytical writing and reading skills.

ENGLISH ELECTIVE COURSES

READ 180 **Full year** **1.0 credit** **4.0 scale**

Read 180 is an instructional model that is designed for ANY student reading two or more years below grade level. It provides a simple and clear organization for instruction and classroom activity. Class begins and ends with whole group instruction. In between, students break into groups and rotate through three stations for small-group and independent learning.

BOOKS TO WATCH **Semester** **0.5 credit** **4.0 scale**

Stories are ingrained in our lives, whether it is through storytelling, books, television, or movies. In this sophomore, Junior/Senior course, students will examine what happens when a story is told through the medium of film. Students will read the original text of the story and then watch the accompanying film. Students will discuss, compare/contrast, research and critique stories and films from a variety of genres.

Journalism **Semester/Full Year** **0.5/1.0 credit** **4.0 scale**

Students will learn journalistic style and skills by working on a variety of projects such as the yearbook, school newspaper, "Rocket Round Up", and in-class writings, Students will learn to write the gamut of newspaper coverage from front page to sports, Students will also learn the journalistic ethics that a good reporter should know and possess.

Journey to College (aka Journeys): **Full year** **1.0 credit** **4.0 scale**

Prerequisite: completion with passing grades of freshman, sophomore, and junior curriculum. The Journeys program is for WHS seniors who plan to attend college after graduation.

In the first semester students will gain an understanding of service learning and college vocabulary. Students will focus on goal setting, critical thinking, exploring careers and majors, and self-analysis and evaluation. Students will register for, prepare for, and take the ACT and apply to the college(s) of their choice.

In the second semester students will build an academic portfolio and prepare and submit college scholarship applications. Additional tasks such as budgeting for college, financial aid and FAFSA completion, study skills, stress management, and surviving the freshman year of college will all be addressed during the second semester.

Research **Semester** **.5 credit** **4.0 scale**

The **Research** course is designed to prepare junior and senior students to conduct effective and ethical research during college and careers. Because students learn and create in a variety of ways, the course will introduce many research tools and will guide students to derive a personal research model. The course goals are: learn research strategies; find, evaluate, and organize information; use information ethically; use digital media to collaborate and present results; and conduct research successfully in college and careers.

MATHEMATICS CORE COURSES

Four credits of Math are required for graduation from Wellston High School.

Algebra 1 required **Full year** **1.0 credit** **4.0 scale**

Prerequisite: Middle School Math

Algebra 1 is considered a "gatekeeper" course because of its importance for success in the remainder of high school, college, and careers. It could be the most important math class most students take. Algebra 1 is the foundation for high school math, taking students from concrete math to abstract math. This course is designed to prepare all students for all levels of high school math and future standardized tests such as the OGT, ACT, and SAT. Emphasis will be placed on simplifying expressions, solving equations and inequalities, graphing equations and inequalities, and solving quadratic equations. Students will be prepared to study Geometry at the conclusion of this course.

ONE of the following is required:

Geometry **Full year** **1.0 credit** **4.0 scale**

Prerequisite: Algebra 1

This Geometry course is a course developed around the study of geometric figures and their individual properties. Graphing those figures on the coordinate plane and finding their areas, perimeters and/or circumferences is also discussed. Their relationships in the real world will be emphasized. This course is taught with a hands-on approach. Students will be prepared for Algebra 2 and the OGT at the conclusion of this course.

Advanced Geometry **Full year** **1.0 credit** **4.0 scale**

Prerequisite: Algebra 1 & Selection Based on Placement Test

This course is designed to develop critical thinking skills. This is done through the study of the tenth grade standards with an emphasis on logical thinking. Topics will include constructions, transformations, and properties of geometric figures, symmetry, coordinate geometry, applications, data analysis, and probability. Algebra 1 skills are used throughout the course. Calculations may be used. Students should plan to spend at least 30 minutes per night on outside class preparation. Students will be prepared to study Algebra 2 at the conclusion of this course.

ONE of the following is required:

Algebra 2 World Applications **Full year** **1.0 credit** **4.0 scale**

Prerequisite: Algebra 1 and Geometry

This class is a continuation of skills learned in Algebra 1 and Geometry. Topics include the further study of functions and graphs, complex numbers, fractions and negative exponents, solving 2 x 2 systems of equations, data analysis, and probability. Graphing calculators will be used regularly. Upon successful completion of this course, students will be able to continue their study of mathematics at the high school and/or college level and they will be equipped with the math skills necessary to succeed outside of high school.

Advanced Algebra 2 **Full year** **1.0 credit** **4.0 scale**

Prerequisite: Algebra 1, Advanced Geometry and Placement Test

This class is a continuation of skills learned in Algebra 1 and Geometry. Topics include the further study of functions and graphs, complex numbers, fractional and negative exponents, matrices both with and without technology, solving 3 x 3 systems of equations, data analysis, and probability. Graphing calculators will be used regularly. Upon successful completion of this course, students will be able to continue their study of mathematics at the high school and/or college level and they will be equipped with the math skills necessary to succeed outside of school. This class will move considerably faster and more in-depth than Algebra 2.

OPTIONS FOR 4th MATH COURSE:

Algebra 3 **Full year** **1.0 credit** **4.0 scale**
(Formerly called Transition to College Math)
Prerequisite: Seniors NOT enrolled in Pre-Calculus or Calculus AND successful completion of Algebra 1, Geometry, and Algebra 2
Algebra 3 is intended to build on previous courses of Algebra 1, Geometry, and Algebra 2 and to place emphasis on bringing about a deeper understanding of those mathematical relationships through the use of graphing calculators. Topics may include: systems of linear equations, complex numbers, quadratic functions, logarithms, trigonometry, matrices, vectors, conic sections, statistics, and financial literacy. Graphing calculators may be used.

Pre-Calculus **Full year** **1.0 credit** **4.5 scale**
Prerequisite: Algebra 1, Algebra 2, and Geometry
This course is designed to prepare those who intend to continue their study of mathematics beyond high school, whether in the direction of natural or physical sciences or in the direction of social sciences. Emphasis will be placed on the study of trigonometry and algebraic, exponential, and logarithmic functions. A graphing calculator is required and can be rented from the math department or purchased from local retailers. Students will be prepared to study at the conclusion of this course. A graphing calculator is required and can be rented from the math department or purchased from local retailers.

Calculus **Full year** **1.0 credit** **4.5 scale**
Prerequisite: Algebra 1, Geometry, Algebra 2, and Pre-Calculus
This course is primarily an attempt to understand the rate at which a variable quantity changes. It extends the use of general geometry and algebra to the notions of limits and limiting processes. This course extends the ideas from Pre-Calculus into formal definitions and theorems. The two principle concepts that form the nucleus of calculus are the derivative and the integral. Calculus applies the derivative and the integral to our physical environment. Upon successful completion of this course, students will be able to continue their study of calculus and other math topics and explore physical sciences, computer science, engineering, economics, business, and statistics, to name a few. A graphing calculator is required and can be rented from the math department or purchased from local retailers.
Calculus is NOT a requirement for college acceptance

SCIENCE CORE COURSES

Three credits of science are required for graduation from Wellston High School.

Physical Science **Full year** **1.0 credit** **4.0 scale**
Prerequisites: Grade 9
Physical Science is a required course for all freshmen. The course investigates the classification of matter, energy and waves, forces and motion, the history and formation of the universe.

Biology **Full year** **1.0 credit** **4.0 scale**
Prerequisites: successful completion of Physical Science; Grade 10
This is a sophomore-level course required for graduation. The course investigates diversity and interconnectedness of life on earth; cell structure, function and processes; heredity through genetics; and the mechanisms and results of evolution.

SCIENCE ELECTIVE COURSES

NOTE: Students MUST take another year of Science from the following courses **to meet the graduation requirements.**

Anatomy **Full year** **1.0 credit** **4.0 scale**
Prerequisite: B- or better in Biology, passed the science OGT, and instructor approval. Grades 11 or 12
Anatomy is an advanced life science course that will involve an in-depth study of the various body systems requiring students to participate in dissection of mammalian organs and observation of a surgery via videoconference; Students will study various diseases and participate in medical ethics discussions. The course is designed for those who are considering a career in healthcare or fitness, but is appropriate for students who are interested in learning about the structures of the human body and their function.

Physics **Full year** **1.0 credit** **4.5 scale**
Prerequisites: Pass the Math OGT and the Science OGT as well as Algebra II before course begins or permission
The course is designed to give the student an understanding of the elementary principles of physics. This course challenges the students to think analytically and logically and stresses the use of mathematics to aid in the understanding of concepts.

CP Chemistry **Full year** **1.0 credit** **4.0 scale**
Prerequisites: passed the Math and Science OGTs; passed or be enrolled in Algebra II
This course is intended for the student planning on attending college. This course is designed to help students understand basic principles of chemistry, the methods of science, and the role of chemistry in society; and to develop analytical and critical thinking. Principles of structure, the organization of matter, the mole concept, and the language of chemistry including chemical formulas, chemical equations and chemical reactions will be investigated.

AP Chemistry **Full year** **1.0 credit** **4.5 scale**
Prerequisite: Successful completion of Advanced Chemistry
Advanced Placement Chemistry (AP Chemistry) is designed by the College Board and parallels a first-year college general chemistry course. It uses a college chemistry textbook and emphasis is on chemical calculations and the mathematical formulation of principles. Topics covered will be structure of matter, states of matter, reactions, descriptive chemistry and laboratory skills.

General Science **Semester** **0.5 credit** **4.0 scale**

Prerequisites: Students who have already taken Physical Science and Biology but have not successfully passed the science OGT. Grade: 11 or 12

This course is designed to further the student's understanding of physical, earth, and life science standards and skills. Student will be prepared for success on the science Ohio Graduation Test. ***Note: Students who have not passed the OGT are required to take this course.***

Earth Science **Semester** **0.5 credit** **4.0 scale**

Prerequisite: successful completion of Physical Science and Biology, Grade 11 or 12

The course investigates earth processes such as rock formation, plate tectonics, landform development, and fossils formation as well as earth evolution from 4.5 billion years ago to the present.

Forensic Science **Semester** **0.5 credit** **4.0 scale**

Prerequisite: successful completion of Physical Science and Biology; Grade 11 or 12

This course investigates the processes and analyses used by criminologists to investigate a crime scene and prepare evidence including hair and fibers, fingerprints, blood spatter, DNA, time of death determination factors and skeletal remains. Laboratory activities will be a major component of the course.

Environmental Science **Semester** **0.5 credit** **4.0 scale**

Prerequisite: successful completion of Physical Science and Biology, Grade 11 or 12

The course is designed to investigate the major environmental issues of our day. Included in the course are the study of human population growth, the atmospheric issues; energy resources; availability and contamination of water resources; and disposal of solid, hazardous, and nuclear waste.

SOCIAL STUDIES CORE COURSES

Three credits of History are required for graduation from Wellston High School.

World History **Full year** **1.0 credit** **4.0 scale**

This course covers the span of European history from 1700 to the present. Topics include: The Enlightenment, French Revolution, Industrial Revolution, the Age of Imperialism, World War One and its aftermath, World War II, and the current movement toward a global civilization and economy. Students also study forms of government, forms of economic systems, the political geography of Europe and federalism.

American History **Full year** **1.0 credit** **4.0 scale**

This course examines the history of the United States of America from 1877 to the present.
Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

Government/Financial Management **Full year** **1.0 credit** **4.0 scale**

The 11th grade course in American Government is intended to provide students a critical perspective on politics, government, and financial literacy. How the American people govern themselves at national, state, and local levels of government is the basis of this course. Students will discover how they can impact political issues by participating in service learning and projects. This course contains both the study of general concepts used to interpret American policymaking and a portion specifically directed at financial preparedness.

SOCIAL STUDIES ELECTIVE COURSES

Great Figures in American History **Semester** **0.5 credit** **4.0 scale**

This course attempts to explore the basic elements of American cultural history rather than political or military history by examining the lives of representative Americans and their work. The course focuses on three Emersonian ideas: Nature, Society, and individualism as we examine the following individuals and topics: Maria Mitchell, Ralph Waldo Emerson, Eric Hoffner, Jackie Robinson, Georgia O'Keefe, Aaron Copland, Andrew Wyeth's "Christina's World", the development of Coca Cola as an American icon and George Washington's victory at Trenton on December 25, 1776. Tests are largely written essays on the various subjects discussed in class.

History through Conspiracies **Semester** **0.5 credit** **4.0 scale**

The purpose of this course is to focus on critical thinking, which promotes the ability to obtain information, critique, problem solve, and communicate using appropriate forms of civic discussion. This course will provide a look at history by comparing official explanations of events with those of popular conspiracy theories.

Women's History **Semester** **0.5 credit** **4.0 scale**

This course will provide a critical analysis of historical and contemporary issues pertaining to women and gender, such as: work, politics; education; violence; women in the arts; women in athletics; women in science. The purpose of this course is to create an unbiased view of history by exploring the expanding gender roles and social positions of women.

Economics **Semester** **0.5 credit** **4.0 scale**

Economics focuses on a comprehensive, understanding of basic economic principles. Areas of study include economic decision making, economic systems, supply/demand relationship, and understanding market structures.

Sociology **Semester** **0.5 credit** **4.0 scale**

The Sociology major focuses on a comprehensive, macroscopic understanding of society and social issues. Areas of study include development of sociology as a discipline, socialization, culture, and understanding various social institutions.

PHYSICAL EDUCATION & HEALTH COURSES

Physical Education I & II **Semester** **0.25 credit** **4.0 scale**

Graduation Requirement: 2 Semesters of Physical Education or SB 311 allows school districts to adopt a policy exempting students who participate in interscholastic athletics, marching band or cheerleading for two full seasons or two years of JROTC from the physical education requirement.

The physical education program at Wellston High School parallels the newly adopted state framework for physical education. It is based on the disciplines of motor learning, physical fitness, and athletic/sport skills. During each semester the students will be actively involved in various physical fitness activities that will help to develop physical strength, endurance and cardiovascular health. Each student will also be actively participating in a wide variety of sports. These sports include flag football, volleyball, ultimate Frisbee, badminton, basketball, soccer, hockey, lacrosse, whiffle ball and others. The students will learn and develop a skill set of each sport. This program is designed to enhance and promote a healthy, active lifestyle through physical education.

PHYSICAL EDUCATION ELECTIVE COURSE

Advanced Physical Education **Semester** **0.5 credit** **4.0 scale**

The physical education program at Wellston High School parallels the newly adopted state framework for physical education. It is based on the disciplines of motor learning, physical fitness, and athletic/sport skills. During each semester the students in Advanced Physical Ed will be actively involved in various physical fitness activities that will help to develop physical strength, endurance and cardiovascular health. Each student will also be actively participating in a wide variety of sports. These sports include flag football, volleyball, ultimate Frisbee, badminton, basketball, soccer, hockey, lacrosse, whiffle ball and others. This course is designed for students who want to take physical fitness to the next level. It requires a high degree of activity every day. The competitiveness and skill level are amped up from the general Physical Ed classes. The students will learn and develop a skill set of each sport. This program is designed to enhance and promote a healthy, active lifestyle through physical education. Prerequisite must earn a solid B or better in Physical Ed I & II.

HEALTH

Health **Semester** **0.5 credit** **4.0 scale**

The purpose of this health education course is to provide the basis for developing knowledge, concepts, skills, behaviors and attitudes related to student health and well-being. This course is the study of one's overall quality of living with respect to their physical, mental, social and emotional well-being. Topics that may be included are: healthy relationships, decision making, refusal skills, dating violence, self-esteem, bullying, stress management, nutrition, physical health, mental health, drugs, alcohol, tobacco, human body systems, and sex education (including sexually transmitted diseases). Students are provided opportunities to explore the effect of health behaviors on an individual's quality of life. Health education will assist students to understanding that health is a lifetime commitment of analyzing individual risk factors and health decisions that promote health and prevent diseases.

ELECTIVE COURSES

FRESHMAN ACADEMY **Full year** **1.0 credit** **4.0 scale**

REQUIRED FOR ALL FRESHMAN

The purpose of this course is to provide a roadmap and vision of what it takes to make a significant difference at this critical point in the lives of our students. Whether they are entering the workforce following high school graduation or have their sights set on college, a graduate degree, or some other form of post-secondary education. Students will be developing a 10 year plan for their lives and will set short and long term goals to achieve that plan. Through this process students will envision a future that is productive, achievable, and stimulating. The will be exposed to potential stumbling blocks, learn to project into the future and understand the consequences of today's choices and actions, and become more "career focused." Students will learn a life and career planning "process," so students can continually adjust their plans throughout their education and adult life.

ART COURSES

Art I **Semester/Full year** **0.5/1.0 credit** **4.0 scale**

Beginning- survey in 2D, rich in fundamentals of drawing. media: graphite, colored pencil, pen and ink, printmaking, watercolor. Demonstrate basic technical skill and craftsmanship with various art media when creating images from observation, memory and imagination. Apply the elements and principles of art and design using a variety of media to solve specific visual art problems.

Art II **Semester/Full year** **0.5/1.0 credit** **4.0 scale**

Prerequisite: Art I and/or teacher approval

Intermediate-2D skills reinforced and a more involved study of 3D work. media: graphite, colored pencil, pen and ink, printmaking, watercolor, scratch art, mosaic, plaster, clay Demonstrate proficient technical skills and craftsmanship with various art media when creating images from observation, memory, or imagination. Make informed choices in the selection of materials and techniques as they relate to solving a visual problem.

Art III **Semester/Full year** **0.5/1.0 credit** **4.0 scale**

Prerequisite: Art II and/or teacher approval

Accelerated even involvement in 2 and 3 dimensions. Media: graphite, colored pencil, ink, printmaking, watercolor, scratch art, mosaic, plaster, clay, cut paper. Demonstrate increased technical skill and craftsmanship with various art media when creating images from observation, memory and imagination. Make informed choices in the selection of materials and techniques that relate to solving a visual problem.

Art IV **Semester/Full year** **0.5/1.0 credit** **4.0 scale**

Prerequisite: Art III and/or teacher approval

Advanced-student choice of concentration in one or more areas of art media: all of the above and wood burning. Apply self-direction, independence and a purposed approach when defining and solving a visual design problem. Demonstrate advanced technical skills and craftsmanship with various art media when creating images from observation, memory and imagination. Visually express complex concepts and meaning in their artworks. Analyze and explain the relationship between the content and ideas in artworks and the use of media and compositional elements. Defend personal philosophies of art based on a connection to aesthetic theories and visual culture.

Senior Studio **Semester/Full year** **0.5/1.0 credit** **4.0 scale**

Prerequisite: Art IV and/or teacher approval

Accomplished- student directed course of study. Having demonstrated advanced technical and conceptual skills, students have the opportunity to explore visual design problems of their own choosing. Students will be self motivated while instruction is given as guidance toward personal goals. Each student will be required to submit quarterly goals within the first week of class.

AUTO-CAD DRAFTING & DESIGN COURSES

Auto Cad I **Full year** **1.0 credit** **4.0 scale**

Develops the skills of drawing Orthographic (three view) drawing and auxiliary views to record specific size and shapes in detail. Students will draw and develop various intersection & developments, such as cylinders, cubes, pyramids, and other geometric forms. This is taught by using the Auto Cad Computer System, which is the system most used around the world.

Auto Cad II **Full year** **1.0 credit** **4.0 scale**

Prerequisite: Auto Cad I

Auto Cad II deals with Machine Drafting. This is the use of bolts/nuts and fasteners. Measuring and drawing in (.00001) in. and using measuring tools such as Micrometers, Machine scales, Protractors. Intersection and Developments are also introduced, such as four-piece elbows, truncated cones, and transitional pieces (rounds to squares) (offset squares) etc.

Auto-Cad III **Full year** **1.0 credit** **4.0 scale**

Prerequisite: Auto Cad II

Architectural Drafting and Design explores the different designs and demands of private dwellings including the type of rooms necessary for a family dwelling, and the size of each. In the first semester a set of House Plans will be developed: floor plan, foundation plan, 1st. tier framing, roof plan, rafter plan, elevations, electrical plan, Plumbing Plan, and a Plot Plan. Each of the series of Drawings will have necessary dimensions and details to insure all necessary information will be present. A ¼" – 12 "Scale model will be produced by each student's drawings as Part of the final Semester Exam.

Auto- Cad IV **Full year** **1.0 credit** **4.0 scale**

Prerequisite: Auto Cad III

Architectural Drafting and Design IV is similar to Cad III, although, Drawing IV will be required to Design a larger house, with multi-levels. Along with the Scale Model at each Semesters end, a Materials list will be required, showing the size and quantity of structural materials needed to build the designed structure.

FAMILY & CONSUMER SCIENCE COURSES

Managing Transitions **Semester** **0.5 credit** **4.0 scale**

Prerequisite: Grade 9

This class entails the development of one's self-awareness through analysis of personal talents, interests, capabilities, and ideals. We will analyze these things through doing various activities including reading, writing, cooking, arithmetic, and socializing.

Child Development **Semester** **0.5 credit** **4.0 scale**

Prerequisite: Grade 9

In this class we take a closer look at family foundations and what it takes to create the healthiest environment possible for children to grow up. We will do this through various activities including reading, writing, cooking, and group activities.

Healthy Living **Semester** **0.5 credit** **4.0 scale**

Prerequisite: Grade 10,11,12

In this class we analyze the effects of stress, drugs, relationships, healthy and unhealthy food and physical activities. Lessons will consist of group work, writing, and reading, analyzing, and cooking.

Careers **Semester** **0.5 credit** **4.0 scale**

Prerequisite: Grades 10, 11 & 12

This class will include self-analysis for students in order for them to gain a better grasp on a vision for their lives. This class aims to prepare students for the work force and college admission. We explore different careers through group activities, reading, writing, arithmetic, and cooking.

FOREIGN LANGUAGE ELECTIVE COURSES

Spanish I **Full year** **1.0** **4.0 scale**

At least 70% in English 8 to recommended

The Spanish language is taught through listening, speaking, reading and writing skills. The language is used in communicative and creative activities in a cultural context.

Spanish II **Full year** **1.0** **4.0 scale**

At least 70% in Spanish I and English 9 is recommended

Continue to develop skills in listening, speaking, reading, and writing.

Spanish III **Full year** **1.0** **4.0 scale**

At least 70% in Spanish II and English 10 is recommended

The language is used in more communicative, creative and critical thinking activities.

Spanish IV **Full year** **1.0** **4.0 scale**

At least 70% in Spanish III and English 11 is recommended

Students continue to develop reading strategies and writing skills by writing and editing compositions.

MUSIC ELECTIVE COURSES

High School Band **Full Year** **1.0 credit** **4.0 scale**

Grade 9-12.

This is a year round course which begins with summer marching band in July. All students are required to participate in all aspects of the HS band including: Marching Band, Concert Band, Solo and Ensemble, and all other public performances throughout the year.

High School Choir **Full Year** **1.0 credit** **4.0 scale**

Grade 9-12.

This is a yearlong course. Students will perform Vocal music for events throughout the school year. Students are required to attend all performances.

History of Rock and Roll **Semester** **0.5 credit** **4.0 scale**

Grade 9-12

Prerequisites: None

Students will learn about the history of Rock and Roll from its roots in Folk Music, The Blues, Country and Western, Jazz and Classical Music. Much of the year is spent discussing artists such as Elvis, The Beatles, Jimmy Hendrix, and all music from the 1950's through today. We will discuss the Music and Social Implications of the music. Since the topic is Rock and Roll we will watch many videos and live performances of the artists. Students and parents are required to sign a waiver giving permission to discuss such topics as drug use, alcohol use and the life of a Rock and Roll Musician.

BUSINESS ELECTIVE COURSES

Intro to Business **Semester** **.5 credit** **4.0 scale**

Interested in learning more about the business world today? This course will introduce student to the role of business in society and the factors that impact it locally and globally, as well as an overview of functional area of business and the basic concepts of the business world. Topics include: the stock market, how business is owned and structured, entrepreneurship, marketing, business ethics, workplace, diversity issues, how to write a business plan, what it takes to start a business, and the roles of the employees and employers.

TECHNOLOGY ELECTIVE COURSES

Digital Imaging **Full Year** **1.0 credit** **4.0 scale**

The Digital Imaging semester course is designed to be basic introduction to the creation, editing, manipulation and storage of both traditional and digital images. Students will be using digital cameras, scanners, and computer software and hardware to complete assignments. Students work may be displayed in various formats throughout the year.

Information Technology **Full year** **1.0 credit** **4.0 scale**

Information technology will provide students with a working knowledge of computer concepts and essential skills necessary for work and communication in today's society. Students will learn safety, security, and ethical issues in computing and social networking. Students will also learn about input/output systems, computer hardware and operating systems, and office applications.

Exploring Audio and Visual Techniques **Full year** **1.0 credit** **4.0 scale**

Students will create professional video and audio productions for distribution in traditional and new media channels. Students will plan, produce, edit, and launch media products. Students will develop scripts and storyboards, compose shots and operate cameras, capture sounds using microphone hardware, apply special effect techniques, and edit to achieve the final product. Students will be able to use animation and graphic design for video.

Design Techniques **Full year** **1.0 credit** **4.0 scale**

Students will learn techniques for transforming photographic images, through use of digital cameras, computers, and mobile devices. To accomplish this, they will learn software photo editing techniques including layering, color correction, masking, and special effects using current commercial and open source programs and applications.