

# *Ada City Schools* *A System of Excellence*

The Ada City School District offers Pre-Advanced Placement and Advanced Placement classes for students in Grades 6-12 and is known for producing National Merit Scholars, Academic All-State recipients, and Oklahoma Academic Scholars. Ada High School has been listed in the Top Ten of Oklahoma schools by ACT, the leading predictor of college readiness.

*Core Subject Area*

# *Course Guide*

*For*

*Grades 9-12*

The Ada City Schools' Subject Area Course Guide has been designed to help students plan for academic success. The pathways listed below are suggested pathways that will allow students to meet or exceed graduation requirements. Course offerings are subject to student enrollment and staff availability.

## ENGLISH

High school English courses are designed to ensure that students are grounded in the study of composition, grammar, and literary analysis. Each year, students will continue to increase critical reading, writing, and thinking skills through works of fiction and nonfiction. In alignment with Oklahoma Academic Standards and College Board Standards, students will be prepared for success on assessments such as the Oklahoma End of Instruction Examinations as well as on national ACT, PSAT, and SAT tests. Students are required to take four years of English by either completing a required or an accelerated pathway.

### Required English Pathway

Course	Suggested Grade Level
English I	9
English II	10
English III	11
English IV	12

### Accelerated English Pathway

Course	Suggested Grade Level
Pre-AP English I	9
Pre-AP English II	10
Advanced Placement Language & Composition	11
Creative Writing/Film as Literature	11 & 12
Advanced Placement Literature & Composition	12



## MATHEMATICS

High school mathematics courses are developed to ensure that students are grounded in mathematical concepts. Emphasis is placed on numerical operations which require students to reason, solve, interpret, graph, create, and analyze. Courses are aligned to state academic standards and are designed to prepare students for Oklahoma End of Instruction Examinations in Algebra I, Algebra II, and Geometry as well as ACT, PSAT, and SAT tests. Students are required to take three years of high school mathematics but are encouraged to take one of the accelerated pathways which offers specific college preparatory curriculum.

### Required Mathematics Pathway

Course	Suggested Grade Level
Algebra I	9
Geometry	10
Algebra II	11

### Accelerated Mathematics Pathways

Students who choose to enroll in an accelerated mathematics pathway are encouraged to take four or five years of high school mathematics. The capstone mathematics course offered at Ada High School is Advanced Placement Calculus (AB). In order for students to enroll in the capstone course, students must complete the following PREREQUISITE:

Advanced Placement Calculus (AB)---Prerequisite of Pre-Advanced Placement Trigonometry/College Algebra

The Advanced Mathematics Pathway options which follow are provided as a tool to help students plan future enrollment opportunities. Conversations between students, parents, and school counselors, combined with the student's post-secondary and career interests, will ultimately determine which pathway is best for the student. In addition, it is important to note that a student does not become "locked in" to a particular pathway upon initial enrollment in a plan of study.



## Accelerated Mathematics Pathways

### Accelerated Option 1

Course	Suggested Grade Level
Pre-Advanced Placement Algebra I	8
Pre-Advanced Placement Geometry	9
Pre-Advanced Placement Algebra II	10
Pre-Advanced Placement Trigonometry/College Algebra	11
Advanced Placement Calculus (AB)	12

### Accelerated Option 2

Course	Suggested Grade Level
Pre-Advanced Placement Algebra I	9
Pre-Advanced Placement Geometry AND	
Pre-Advanced Placement Algebra II	10
Pre-Advanced Trigonometry/College Algebra	11
Advanced Placement Calculus (AB)	12

### Accelerated Option 3

Course	Suggested Grade Level
Pre-Advanced Placement Algebra I	9
Pre-Advanced Placement Geometry	10
Pre-Advanced Placement Algebra II	11
Pre-Advanced Placement Trigonometry/College Algebra	12



## SCIENCE

High school science students are required to take three years of laboratory science. Science courses are designed for students to study scientific principles and methods, to interpret data, and to think clearly and logically about the world around them. Students enrolled in Biology or Advanced Placement Biology will be expected to take an Oklahoma End of Instruction Examination.

### Required Science Pathway

COURSE	SUGGESTED GRADE LEVEL
Physical Science	9
Biology	10
Environmental Science, Forensic Science, Chemistry, Zoology/Botany, Anatomy/Physiology or Bio Tech	11

### Accelerated Science Pathways

Students who choose to enroll in an Accelerated Science Pathway are encouraged to take four years of laboratory science. The Capstone Science Courses offered at Ada High School are Advanced Placement Biology, Advanced Placement Chemistry, Advanced Placement Environmental Science and Physics. In order for students to enroll in Capstone Courses, students must complete the following PREREQUISITES:

Advanced Placement Biology--- Prerequisite of Biology or Pre-AP Biology and Chemistry

Advanced Placement Chemistry--- Prerequisites of Biology or Pre-AP Biology and Chemistry

Advanced Placement Environmental Science---Prerequisites of Biology or Pre-AP Biology

Physics—Prerequisites of Algebra II and current enrollment in or completion of Trigonometry/College Algebra

The Advanced Science Pathway options which follow are provided as a tool to help students plan future enrollment opportunities. Conversations between students, parents, and school counselors, combined with the student's post-secondary and career interests, will ultimately determine which pathway is best for the student. In addition, it is important to note that a student does not become "locked in" to a particular pathway upon initial enrollment in a plan of study.

## Accelerated Science Pathways

### Accelerated Option 1

Course	Suggested Grade Level
Biology or Pre-AP Biology	9
Chemistry	10
AP Biology (See Prerequisites)	11
AP Chemistry (See Prerequisites)	12

### Accelerated Option 2

Course	Suggested Grade Level
Biology or Pre-AP Biology	9
Chemistry	10
Pre- AP Anatomy/Physiology	11
AP Biology (See Prerequisites)	12

### Accelerated Option 3

Course	Suggested Grade Level
Biology or Pre-AP Biology	9
Chemistry	10
AP Chemistry (See Prerequisites)	11
College Preparatory Physics (See Prerequisites)	12

### Accelerated Option 4

Course	Suggested Grade Level
Physical Science	9
Biology or Pre- AP Biology	10
Zoology/Botany	11
AP Environmental Science (See Prerequisite)	12

## SOCIAL STUDIES

High school social studies classes are designed for students to study the cultural, social, economic, and political development of our state, our nation, and our world. As freshmen and sophomores, students will take semester courses in Oklahoma History, Government, Geography, and World History. As juniors, students may choose to complete the required social studies pathway by enrolling in U.S. History or may complete the accelerated pathway by enrolling in Advanced Placement U.S. History as juniors and Advanced Placement Economics as seniors. Students enrolled in U.S. History or Advanced Placement U.S. History will be expected to take the Oklahoma End of Instruction Examination.

### Required Social Studies Pathway

Course	Suggested Grade Level
Oklahoma History/Government	9
Geography/World History	10
U.S. History	11

### Accelerated Social Studies Pathway

Course	Suggested Grade Level
Oklahoma History/Government	9
Geography/World History	10
Advanced Placement U.S. History	11
Advanced Placement Economics	12

Ada High School is a member of both the National and Oklahoma Honor Societies. The grade point eligibility requirement for National and Oklahoma Honor Societies is 3.85. Sophomores, Juniors and Seniors are eligible for National and Oklahoma Honor Society membership.

