

# 6th Grade



## English Language Arts

Each day, read and write to learn and develop thinking skills.

Study different types of literature (poems, stories, books).

Use reading to develop and organize thinking for speaking and writing.

Write to inform, influence, persuade, entertain, or express ideas.

Learn to evaluate what is heard, read, or viewed for purpose and impact.

Use reference tools like dictionaries, atlas, thesaurus, card catalogue, microfiche, and computer software.



Write in a variety of formats such as essay, short paragraph, business, informal letter, and outline.

Prepare and present projects in groups and individually.

Use the writing process (pre-writing, drafting, editing, revising, proofing).

## Science

Learn science laboratory safety.

Conduct simple experiments.



Repeatedly test to prove a hypothesis.

Experiment with variables such as light, temperature, nutrients, or fluids to grow plants.

Classify common animals into major groups.

Explore the effect of movement of the earth, moon, and sun on the earth's time.



Use a bulb, battery, and wire to build a simple circuit.

Use wire and magnet to construct a simple electric motor.

Learn about refraction of light through a lens and a prism.

Use water and soil to learn about the causes and effects of erosion.

Learn causes of and explore ways to prevent, pollution.

Use available technology to research contemporary scientists.

Study the career of a scientist such as a research oceanographer.

You are your child's first and most important teacher. We value what you do each day to prepare your child for school. Listed below are some of the things you can expect your child to learn in Arkansas Public School 6th Grade. This is only a sample and is not intended to include everything that will be taught throughout the year.

Arkansas Department of Education

## Mathematics



Consistently and accurately add, subtract, multiply, and divide numbers.

Use factors to identify numbers as prime or composite and as even or odd.

Learn about percentages as a means to compare quantities of different sizes and as a rate of change.

Learn about the infinity of numbers and the role of scientific notation.

Identify geometric shapes.

Learn the formulas or procedures for finding areas and perimeters.

Learn how to correctly measure.

Learn the concepts of mean, median, and mode and how to represent them on a graph.

Formulate and solve simple algebra problems.

Identify a rule that generates a pattern.

Interpret graphs and charts found in the newspaper.

## Social Studies

Explain how scientific progress affects commerce and cultural exchanges between remote cultures and civilizations.

Compare and contrast life in hunter-gatherer communities in Africa, Eurasia, and the Americas.

List characteristics of a civilization and apply them to the civilizations which emerged in Mesopotamia, Egypt, and the Indus Valley.

Create a map of the area around the Aegean Sea, showing each of the major Greek city-states and describing its form of government.

Understand and explain the causes and consequences in the emergence of Islam, and how Islam spread in Southwest Asia, North Africa, and Europe between the seventh and tenth centuries.

Trace the transformation of Japan from a feudal shogunate to a modern nation-state during the nineteenth century.

Determine which world cultures are represented by Arkansas citizens.

