

# 8th Grade



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 8th 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

Put numbers in order by  $>$  and  $<$  relations and by location on a number line.

Measure angles, weights, masses, capacities, and times.



Measure and use tools accurately, including rulers, scales, protractors, compasses, graph paper, and calculators.

Understand the relationships, properties, and measures within and among 1, 2, 3 dimensional geometric objects.

Collect, organize, and analyze data.

Predict the result of a series of trials, once the probability is known.

Use equations, formulas, and simple algebraic notations appropriately.

Understand variables in simple functions, especially linear and exponential functions.

## Social Studies

Interpret documentary evidence from diaries, letters, and journals to construct sound debates or narratives on ways in which the Revolution affected different groups in the colonies.

Describe the debates and compromises achieved by the delegates to the Constitutional Convention, perhaps through role play of the convention proceedings.

Determine the significance of the Second Great Awakening and explain its impact on American society.

Construct a timeline listing significant events leading to the Civil War from the Compromise of 1850 through John Brown's raid on Harper's Ferry and create a document explaining the sectional issues which caused such events and their consequences.

Use historical fiction to create a journal, classroom newspaper, or skit describing the viewpoints of Native Americans, ranchers, farmers, and/or miners in the West from 1870-1900.



Chart progressive social reforms of such areas as education, conservation, temperance, and immigration policy, and identify progressive leaders.

Describe the changes in American society following World Wars I and II.

## English Language Arts

Use complete sentences, correct spelling and grammar.

Read and analyze, verbally and in writing, literature, poems, stories, and books.

Analyze and critique works of literature, music, art, and print/broadcast media.

Connect school work from one subject area to another and to real-life application.

Choose print and technological resources for research and for pleasure.

Use reference aids (dictionary, atlas, thesaurus, periodical guide, anthologies, specialized encyclopedia and computer software).



Make speeches.

## Science

Distinguish between a physical change and a chemical change.

Identify common rocks, minerals, and fossils.

Explain the movement of tectonic plates.

Identify geologic changes evidenced by such things as rock strata in road cuts, erosion beside streams, ice cracks in rocks, etc.

Research past Arkansas animal life.

Build a model of earth movement in the Arkansas Delta.

Identify natural physiographic divisions on an Arkansas highway map.

Analyze the weather and draw a weather map, such as seen on television.

Read and use a thermometer, a hygrometer, and a barometer.



Learn about energy sources such as coal, natural gas, gasoline, solar, water, nuclear, and their formation, usage, and problems.

Understand the "Greenhouse Effect."

Learn about the earth's place and role in the solar system.

Study elementary astronomy.

