

# 5th Grade

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## Mathematics

Use different coin combinations to make 75 cents.

Use fraction pieces like  $\frac{1}{16}$ ,  $\frac{1}{8}$ ,  $\frac{1}{4}$  and  $\frac{1}{2}$  to make a whole number in various ways.

Learn why  $3 \times 6 = 6 \times 3$ .

Solve problems mentally and with a calculator.



Represent the place value of a number in a figure to solve problems (how many hundreds are in 263; how many tens are in 263).

Create a geometric pattern using pictures or objects.

Identify and classify geometric figures.

Use appropriate tools to measure, weigh, and rank different objects.

Calculate the correct measurement when designing a floor plan for a house.

Identify and record the different combinations of multiple items (three ice cream flavors and two toppings).

Gather data by using different methods and examine the usefulness of each (surveys or interviews).

Plot points and draw figures on a graph.

Learn simple concepts of variables ( $5 + y = 10$ ).

## Social Studies

Understand the reasons for migrating during the westward movement of 1800-1850's.

Describe how technology changed agriculture, industry, and trade in the United States from 1789-1860.



Investigate why and where migrating people settled in Arkansas.

Interview local elected officials regarding their work and responsibilities.

Take a field trip to a historic site and write about the site.

Learn about the Civil War from both the Union and the Confederate points-of-view.

Study the Declaration of Independence, the Constitution, and the Bill of Rights, and how they influenced the development of our Country, belief systems, and traditions.

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 5th Grade. This is only a sample and is not intended to include everything that will be taught throughout the year.

Arkansas Department of Education

## Language Arts

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

Listen and read to determine purpose (inform, influence, persuade).

Use graphic organizers to analyze, understand text, and organize ideas for writing.

Choose books from the library to do research and read for pleasure.



Use resources (dictionary, atlas, thesaurus, computer software) to conduct research.

Write to different audiences on various topics (pen pal, grandparent, teacher).

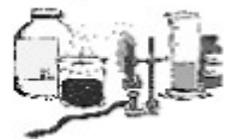
Use correct spelling, complete sentences, punctuation, and grammar when writing and speaking.

Plan, research, write, and present information in teams and individually.

Use pre-writing, drafting, editing, revising, and proofing skills.

## Science

Conduct experiments with help.



Observe organisms with a microscope.

Observe how heat, light, water, and soil affect plants and animals.

Study nutrients (fats, proteins, minerals, vitamins, water).

Experiment with volume (displacement of water by objects).

Build simple machines (wheel and axle, lever).

Experiment with magnets.



Learn about the effects of sound on the human ear.

Learn about traits that can be passed from parent to child.

Learn about the food chain.

Identify common rocks in Arkansas.

Study scientists and their contributions.

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