

ARKANSAS REFRIGERATOR CURRICULUM FOR FIFTH GRADE



ENGLISH LANGUAGE ARTS *

Aligned to Common Core State Standards

- Determine the theme of a story, play, or poem, including how characters respond to challenges
- Describe how a narrator's or speaker's point of view influences how events are described
- Compare and contrast stories that deal with similar themes or topics
- Explain how authors use reasons and evidence to support points or ideas
- Draw on information from multiple books, articles, or online sources to locate an answer or to solve a problem quickly
- Use standard English when speaking and writing
- Learn and use new vocabulary, including words related to specific subjects (e.g., science words, social studies words)
- Participate in discussions by listening, asking questions, sharing ideas, and building on the ideas of others
- Write research or opinion papers over extended periods of time

MATHEMATICS *

Aligned to Common Core State Standards

- Use place value to round multi-digit whole numbers to any place
- Write and interpret numerical expressions {e.g., add 8 and 7, then multiply by 2 can be written as $2 \times (8+7)$ }
- Analyze and determine relationships between numerical patterns
- Understand the place value system
- Quickly and accurately multiply multi-digit whole numbers
- Divide numbers with up to four digits by two digit numbers
- Read, write, and compare decimals to thousandths using the symbols $>$ (more than), $=$ (equal to), and $<$ (less than)

- Add, subtract, multiply, and divide decimals to the hundredths place
- Add and subtract fractions with different denominators
- Multiply a fraction by a whole number or another fraction
- Divide fractions by whole numbers and whole numbers by fractions
- Measure volume using multiplication and addition
- Convert like measurement units within a given measurement system (e.g., convert 5cm to 0.05m)
- Represent and interpret data using a line plot containing fractions
- Classify two-dimensional figures into categories based on their properties

SCIENCE

Aligned to Arkansas Curriculum Frameworks

- Conduct safe experiments with help
- Actively investigate topics of interest. Suggestions include the following:
 - Grow plants under various conditions (e.g., more or less sunlight, water, fertilizer)
 - Examine how various materials like a mirror, wood, or water reflect or absorb light energy
 - Investigate how crystals are formed
 - Examine a variety of rocks and minerals found in Arkansas
- Build a model of a plant or animal cell with common materials (e.g., modeling clay, construction paper, dried pasta)
- Research to discover how plants and animals get the energy they need
- Observe plants and animals in a given area and investigate food webs
- Learn about careers and contributions of scientists
- Identify the relationship of atoms to matter
- Summarize how light and heat influence matter
- Build and use simple machines (e.g., wheel and axle, lever)

- Learn about the objects and planets in our solar system

SOCIAL STUDIES

Aligned to Arkansas Curriculum Frameworks

- Locate and explain the importance of major river systems in AR and the U.S.
- Discuss the differences and similarities among various types of maps used by geographers
- Describe customs, celebrations, and traditions of racial, ethnic, and religious groups in AR and the U.S.
- Recognize factors that influence migration
- Describe the system of checks and balances in government
- Identify elected state and federal officials
- Identify the founding documents that helped establish the U.S.
- Research and discuss contributions of significant individuals and explorers

You are your child's first and most important teacher. We value your support in building a solid foundation to prepare your child for school. This is a list of concepts and skills that will help your child be successful in fifth grade. **This list is only a sample and does not include everything that will be taught throughout the year.**

* Adapted from the Council of the Great City Schools Parent Roadmaps to Common Core Standards: <http://www.cgcs.org/domain/36>
Additional resource: National PTA <http://www.pta.org/4446.htm>