



# Marion Intermediate School 5th Grade Refrigerator Curriculum



## English Language Arts



- Quote accurately from a text when drawing inferences.
- Demonstrate command of Standard English conventions (*punctuation, spelling, and capitalization*), grammar, and usage when writing or speaking.
- Determine the theme of a story, play, or poem, including how characters respond to challenges.
- Provide a summary of grade-appropriate text.
- Describe how a narrator's or speaker's point of view influences how events are described.
- Compare/ Contrast stories with similar themes, characters, events, and settings.
- Describe how a narrator's or speaker's point of view influences how events are described.
- Learn and use new vocabulary related to a specific subject (science words, social studies words).
- Write narrative, informative, and opinion pieces over extended periods of time.
- Explain how an author uses reasons and evidence to support points and ideas.
- Use technology, in various formats, to produce writing and oral/visual presentations.
- Demonstrate sufficient command of keyboarding skills to produce writing in a single setting.
- Participate in discussions by listening, asking questions, sharing ideas, and building on the ideas of others.



## Mathematics



- Classify two-dimensional figures into categories based on their properties.
- Represent and interpret data using a line plot including fractions and decimals.
- Convert like measurement units within a given measurement system.
- 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, < less than, or = equal to.
- Add, subtract, multiply and divide decimals to the hundredths place.
- Add and subtract fractions with different denominators.
- Multiply a fraction by a whole number and another fraction.
- Measure volume using multiplication and addition



## Science



- 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)
- Actively investigate topics of interest. Suggestions include the following.
  - \* Examine how various materials like a mirror, wood, or Or water reflect or absorb light energy.
  - \* Investigate how crystals are formed.
  - \* Examine a variety of rocks and minerals found in Arkansas.
- Conduct safe experiments using the scientific method.
- Understand the difference between potential and kinetic energy.
- Create and interpret graphs. (bar, line, circle, and Venn)
- Calculate mean, median, mode, and range from scientific data using SI units.
- Communicate results and conclusions from scientific inquiry.
- Define and give examples of hypothesis.



## Social Studies

- Analyze key historical events of the US beginnings through the 1820's.
- Examine US foundational documents (Magna Carta, Declaration of Independence, Articles of the Confederation.)
- Explain different systems of government created by AR and the US.
- Analyze rights, responsibilities, and privileges of citizens and non-citizens of the US.
- Discuss historical developments in pre-colonial America through the Revolutionary Period.
- Examine ways human, natural, and capital resources were utilized in pre-colonial America through Revolutionary Period.
- Examine effects of war on communities using economic factors.
- Study how people were influenced by and adapted to the environment they lived in.
- Learn about the Westward Expansion and human settlements concerning Native Americans.
- Examine reasons for European exploration in the Americas.
- Evaluate how early presidents influenced the development of a new nation.
- Examine the War of 1812.

*You are your child's first and most important teacher. We value your support in building a solid foundation to prepare your child to be successful in school. The listed skills/topics are some of the things your child will be learning this year. It is not an extensive list.*