



# Marion Intermediate School

## 4th Grade Refrigerator Curriculum



### English Language Arts



- Provide a summary of grade-appropriate text.
- Determine the theme of a story, drama, or poem.
- Compare stories from different cultures.
- Describe a character, setting, or event in a story.
- Compare/Contrast points of view (first-person/ third-person).
- Refer to facts, details, and evidence in text when drawing inferences.
- Read and interpret information presented in charts, graphs, timelines, and other illustrations.
- Write narrative, informative, and opinion pieces over extended periods of time.
- Demonstrate command of Standard English conventions (*punctuation, spelling, and capitalization*), grammar, and usage when writing or speaking.
- Learn and use new vocabulary related to a specific subject (science words, social studies words).
- Participate in discussions by listening, asking questions, sharing ideas, and building on the ideas of others.
- Demonstrate sufficient command of keyboarding skills to produce writing in a single setting.
- Use technology, in various formats, to produce writing and oral/visual presentations.



### Mathematics



- Draw and identify lines and angles; classify shapes by properties of their lines and angles.
- Interpret data from a line plot including fractions.
- Solve multi-step word problems in measurements.
- Compare whole numbers, decimals, and fractions using  $<$  less than,  $>$  greater than, or  $=$  equal to.
- Interpret equivalent fractions to help simplify before and after calculations with fractions.
- Add and Subtract whole numbers, fractions (with & without common denominators), and decimals.
- Multiply and divide multi-digit numbers. (1 digit by 1,2,3, and 4 digits and 2 digit by 2 digits)
- Identify specific place values on the left side of the decimal and use to round, expand, and estimate.
- Identify and create lines of symmetry (mirror image) in shapes and letters.
- Identify factors & multiplies of specific numbers.
- Understand the difference between a prime number a composite number, and that 1 is neither.
- Multiply and divide with 10s and using this to help with mental calculations
- Compare and order numbers on a number line including, fractions, decimals, and whole numbers.
- Compare two multi-digit numbers based on the meanings of the digits in each place.
- Solve real world problems using skills previously taught and being taught to help with practical understanding.
- Determine angle measurements using a protractor.
- Determine perimeter and area of rectangles and understand the relationship between the two.



### Science



- Recognize mammals, birds, fish, amphibians, and reptiles.
- Learn how plants and animals adjust to their environment.
- Learn about the water cycle and the relating parts.
- Understand the relationship between magnets and electricity.
- Experiment with static and current electricity, including simply circuits.
- Explore and relate heat and energy.
- Conduct safe experiments using the scientific method.
- Identify, interpret, and explore motion (Newton's Laws)
- Observe organisms with a microscope.
- Identify and label rocks and minerals.
- Create, examine, and participate in many STEM activities.
- Apply scientific ideas to solve design problems.
- Identify cause and effect relationships.
- Make observations to produce data to serve as the basis for evidence for an explanation of a phenomenon or test a design solution.
- Inquiry, where students ask questions that can be investigated and predict reasonable outcomes based on patterns such as cause and effect.

### Social Studies



- Examine the purpose of United States' founding documents. (Declaration of Independence, Constitution, and Bill of Rights).
- Examine powers of government at state and local level.
- Analyze state and national symbols, songs, and mottos.
- Evaluate changes in rights and responsibilities over time.
- Demonstrate proper etiquette for AR and US flags and procedure for recitation of the Pledge of Allegiance.
- Examine the creation and enforcement of laws at state and federal level.
- Analyze the exchange of goods and services and the role of produces,

consumers, and government at the state and federal level.



- Illustrate ways trade has let to economic interdependence between AR and other states and explain effects of economic interdependence of other states.
- Use maps (climate, political, topographical) to compare physical and human characteristics of a region to other regions in the US and construct maps of AR and the US.
- Identify major events that occurred during the 20th century in AR and the US.

*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.*