### Social Studies

**Units of Study:** Regions of Virginia, Virginia Indians, Virginia Colony

**Description**

- Explain how Virginia’s location determines what geographic features it has, and how those features work to define and determine Virginia’s five regions.

- Use mapping concepts to locate and identify absolute and relative locations.

- Explain Great Britain’s social, economic, and political reasons for the founding of the Virginia colony and effects of the colonization.

- Describe how historians and scientists know what they now do about the Jamestown colony.

- Explain how the regions people live in determine the way they live, and how the economic and political status of Indians, Europeans, and Africans determined where they lived.

- List and describe basic features of everyday life in the Virginia Colony for the different people who lived there. Explain how cultural beliefs affected the way Indians, Europeans, and Africans interacted.

- Explain how Virginia’s agricultural economy became connected to the institution of slavery.

- Explain how people carry out trade to acquire the things they need or want, in history and today.

### Science

**Units of Study:** Science Investigation, Virginia Resources, Weather

**Description**

- Plan and conduct experiments using the scientific method.

- Collect, record, and report data using appropriate tools.

- Investigate and understand important Virginia natural resources.

- Compare and contrast natural and man-made resources.

- Distinguish among rivers, lakes, and bays, describe characteristics of each, and name an example of each in Virginia.

- Recognize the importance of Virginia’s mineral resources including coal, limestone, granite, and sand/gravel.

- Create and interpret a model of a watershed.

- Describe the importance of cultivated forests and soil in Virginia.

- Investigate and predict how weather conditions occur.

- Identify and define basic weather instruments and meteorological tools.

- Investigate how to use weather instruments to make weather predictions.
# First Quarter Nine Week Plans – Fourth Grade

### English

**Units of Study:** Writing Process and Elements of Style, Story Structure, Character Traits, Main Idea and Details, Summarizing, Problem/Solution

**Description**

- Demonstrate effective oral communication by using both personal and cooperative responses using grammatically correct language.
- Read fiction and non-fiction with fluency and accuracy.
- Reading for meaning through retelling, envisioning, connection, sharing and writing significant ideas, as well as text evidence.
- Read using context clues and making predictions to better understand what is being read.
- Read and compare various forms of literature and analyze story elements.
- Identify major events and supporting details.
- Create a written piece using the appropriate elements of style.
- Describe a character’s traits and attributes.
- Identify the problem (conflict) and solution in a story.
- Create and edit a written piece using the elements of the writing process, demonstrating the appropriate use of sentence structure, grammar, capitalization, punctuation, and spelling.
- Noun-pronoun agreement.

### Math

**Units of Study:** Place Value, Estimation/Rounding, Addition, Subtraction, Elapsed Time to the Hour, Patterns

**Description**

- Identify, compare, and round numbers expressed through millions.
- Estimate and solve sums/differences of whole numbers.
- Identify an equation, and use Associative and Commutative properties to demonstrate equality.
- Provide and extend geometric and numeric patterns.
- Recognize and demonstrate the meaning of equality, using symbols representing numbers, operations, and relations.
- Calculate elapsed time, in hours and minutes, using at least two different strategies.

# Second Quarter Nine Week Plans – Fourth Grade
## Social Studies
### Units of Study: Colonial Times, Revolutionary War Period

**Description**
- Explain the social, economic, and political relationships between England and the Virginia colony as prelude to the Revolutionary War.
- Describe everyday life in colonial Virginia, including economic concepts of how money, barter, and credit were used.
- Discuss the significance of documents important in Colonial Virginia.
- Understand the motivations and contributions of famous Virginians in the revolutionary era.
- Describe two significant military engagements during the Revolutionary War that took place in Virginia.
- Describe political life in Virginia during the Revolutionary War, emphasizing the new national government.

## Math
### Units of Study: Multiplication and Division of Whole Numbers, Elapsed Time to the Half and Quarter Hour, Graphing

**Description**
- Estimate and find the product and quotient of two whole numbers.
- Solve single-step and multi-step problems using whole number operations.
- Identify ordered pairs; locate point in the first quadrant of a coordinate plane.
- Collect and organize data using different methods.
- Construct, display, and interpret data in bar and line graphs.
- Calculate elapsed time, in hours and minutes, using at least two different strategies.
English
Units of Study: Writing Process and Elements of Style, Synonyms/Antonyms, Story Elements, Text Structure, Sequencing, Reference Materials

Description
- Demonstrate effective oral communication by using both personal and cooperative responses.
- Seek ideas and opinions from others.
- Make and listen to oral presentations and reports.
- Explain words with multiple meanings.
- Synonyms, Antonyms, Homonyms, Homophones.
- Look at the various story elements and analyze how they contribute to the author’s purpose.
- Read and compare various forms of literature and analyze story elements.
- Analyze text structure to help identify story patterns.
- Predict, summarize, draw conclusions, and make inferences about various forms of literature.
- Create a written piece using the appropriate elements of style.
- Write several paragraphs on the same topic.
- Use available technology.
- Create and edit a written piece using the elements of the writing process, demonstrating the appropriate use of grammar, capitalization, punctuation, and spelling.
- Using commas in series, dates, and addresses.
- Use word-reference materials, including glossary, dictionary, and thesaurus.
- Collect, evaluate, synthesize information for writing a research paper.

Science
Units of Study: Earth-Moon-Sun Systems, Solar System

Description
- Describe the motions of and recognize relationships among the Earth, Sun, and Moon. Explain historical contributions in understanding the solar system.

- Identify causes of Earth’s seasons and phases of the moon.
- Differentiate relative size, position, and makeup of the Earth, Sun, and Moon. Classify unique properties of the Earth as a planet and as part of the Solar System.

- Investigate the planets that are in our solar system.
- Investigate and understand the order and the relative sizes of the planets in our solar system.
## Third Quarter Nine Week Plans

### Social Studies

**Units of Study:** Post Revolutionary War, New National Government, Pre and Post Civil War, Reconstruction

**Description**

- Describe political life in VA after the Revolutionary War, emphasizing the new national government.
- Understand the issues that divided our nation and led to the Civil War, describing the roles played by various cultural groups.
- Explain how resources and location of Virginia determined what side it chose in the Civil War, and caused so much of the fighting to take place within its borders.
- Understand effects of major battles and contributions of important leaders in Virginia.
- Explain the economic activities and industries that helped Virginia emerge from economic difficulties after the Civil War, and the rights/status of African Americans during the Reconstruction time period.

### Math

**Units of Study:** Fractions, Decimals, Probability

**Description**

- Find common multiples and factors; determine least common multiple and greatest common factor.
- Compare and order fractions and mixed numbers having denominators of 12 or less.
- Relate fractions to decimals.
- Read, write, represent, and identify decimals through thousandths.
- Round decimals and compare decimal values.
- Add/subtract fractions with like/unlike denominators of 12 or less.
- Add/subtract decimals through thousandths.
- Predict the likelihood of an outcome of a simple event, and represent probability as a number between 0 and 1.
## English

**Units of Study:** Writing Process and Elements of Style, Making Inferences and Generalizations, Determining Themes, Context’s Clues, Author’s Purpose, Main Idea and Details, Compare/Contrast, Drawing Conclusions

### Description

- Demonstrate effective oral communication by using both personal and cooperative responses.
- Present accurate directions to individuals and small groups.
- Write and listen to oral presentations and reports.
- Analyze the meaning of unfamiliar words using context clues.
- Read and compare various forms of literature and analyze story elements.
- Predict, summarize, draw conclusions, and make inferences about various forms of literature.
- Determine themes of various forms of literature and form a deeper understanding of the stories.
- Demonstrate comprehension of information resources to research a topic, collecting, evaluating, and synthesizing information.
- Continue to practice and develop papers with paragraphs, topic sentences and supporting details.
- Create a written piece using the appropriate elements of style.
- Create and edit a written piece using the elements of the writing process, demonstrating the appropriate use of grammar, capitalization, punctuation, and spelling.
- Use subject-verb agreement, adjectives and adverbs, and the articles *a, an, and the* correctly.

## Science

**Unit of Study:** Scientific Method, Force and Motion, Electricity and Magnetism

### Description

- Plan and conduct experiments using the scientific method.
- Collect, record, and report data using appropriate tools.
- Explore and investigate force and motion, friction, and potential vs. kinetic energy.
- Investigate and understand the characteristics of electricity as related to circuits, magnetism, static charges, and historical contributions in understanding electricity.
## Fourth Quarter Nine Week Plans

### Social Studies

**Units of Study: VA in the 20th Century, VA Today**

**Description**

- Evaluate the social, political, and economic life in VA from Reconstruction period to the present. Explain economic changes in Virginia regions that have contributed to the transformation of the state from predominantly rural to urban.

- Describe VA in the 20th Century, the structure of Virginia’s government, emphasizing accomplishments of famous Virginians.

- Discuss social and political events linked to desegregation, Brown vs. the Board of Education, and Massive Resistance.

- Explain how geography and economy of VA and its regions allow the state to take part in world trade and international interaction.

- Describe Virginia’s three branches of government.

- Describe major industries and products in each of the five regions of Va.

### Math

**Units of Study: Geometry, Measurement, Problem Solving**

**Description**

- Estimate and measure weight/mass, identify equivalent measures – metric and standard, and provide real life examples of what you would measure in each unit.

- Estimate and measure length, identify equivalent measures – metric and standard, and provide real life examples of what you would measure in each unit.

- Estimate and measure volume, identify equivalent measures – metric and standard, and provide real life examples of what you would measure in each unit.

- Identify and use different strategies to solve word problems.

- Compare, contrast, create, and identify points, lines, line segments, angles, rays, and intersecting, parallel, and perpendicular lines.

- Compare and contrast geometric transformations.

- Compare, contrast, create, and identify polygons with ten or fewer sides.

- Identify congruent shapes after transformations, and identify real life examples and various strategies for rotation, reflection, and translation of an image.
## English

**Units of Study:** Writing Process and Elements of Style, Poetry, Cause and Effect, Fact and Opinion, Research, Following Directions, SOL Review.

### Description

- Demonstrate effective oral communication by using both personal and cooperative responses.
- Use evidence to support opinions.
- Write and listen to oral presentations and reports.
- Read and compare various forms of literature and analyze story elements.
- Use research skills to present and communicate information around a single topic.
- Predict, summarize, and make inferences about various forms of literature.
- Describe, identify, and write poetry using a variety of rhymed, unrhymed, and patterned styles.
- Create a written piece using the appropriate elements of style.
- Distinguish between fact and opinion.
- Create and edit a written piece using the elements of the writing process, demonstrating the appropriate use of grammar, capitalization, punctuation, and spelling.
- Review entire English Curriculum to prepare for the SOL Test in May.

## Science

**Units of Study:** Life Processes: Ecosystems: Plant and Animal Adaptations

### Description

- Plan and conduct experiments using the scientific method.
- Collect, record, and report data using appropriate tools.
- Understand the organization of communities, the flow of energy through food webs, habitats, life cycles, and the influence of human activity on ecosystems.
- Investigate and understand the life processes and basic anatomy of plants.
- Describe how animals and plants in an ecosystem interact with one another and the nonliving environment through adaptations.