

First Quarter Nine Week Plans - Fourth Grade**Virginia Studies**

Units of Study: Virginia Geography, American Indians and the first colony at Jamestown

Description

- locating Virginia and its bordering states on maps of the United States;
- locating and describing Virginia's Coastal Plain (Tidewater), Piedmont, Blue Ridge Mountains, Valley and Ridge, and Appalachian Plateau;
- locating and identifying water features important to the early history of Virginia (Atlantic Ocean, Chesapeake Bay, James River, York River, Potomac River, Rappahannock River, and Lake Drummond and the Dismal Swamp);
- locating three American Indian language groups (the Algonquian, the Siouan, and the Iroquoian) on a map of Virginia;
- describing how American Indians related to the climate and their environment to secure food, clothing, and shelter;
- describing how archaeologists have recovered new material evidence at sites including Werowocomoco and Jamestown; and
- describing the lives of American Indians in Virginia today.

Math

Units of Study: Place Value and Problem-Solving with Whole Numbers

Description

- read, write, and identify the place and value of each digit in a nine-digit whole number;
- compare and order whole numbers expressed through millions;
- round whole numbers expressed through millions to the nearest thousand, ten thousand, and hundred thousand.
- estimate and determine sums, differences, and products of whole numbers;
- estimate and determine quotients of whole numbers, with and without remainders;
- create and solve single-step and multistep practical problems involving addition, subtraction, and multiplication, and single-step practical problems involving division with whole numbers.

Reading

Units of Study: Interpreting Characters (Realistic Fiction)

Description

- **Expand vocabulary when Reading.**
- **Read and demonstrate comprehension of fictional text.**

Writing

Units of Study: The Arc of the Story: Writing Realistic Fiction

4.7 The student will write in a variety of forms to include narrative, descriptive, opinion, and expository.

- Engage in writing as a process.
- Select audience and purpose.
- Narrow the topic.
- Use a variety of prewriting strategies. e) Recognize different forms of writing have different patterns of organization. f) Organize writing to convey a central idea.
- Write a clear topic sentence focusing on the main idea.
- Write related paragraphs on the same topic.
- Elaborate writing by including details to support the purpose.
- Use transition words and prepositional phrases for sentence variety.
- Utilize elements of style, including word choice and sentence variation. m) Revise writing for clarity of content using specific vocabulary and information.

4.8 The student will self- and peer-edit writing for capitalization, spelling, punctuation, sentence structure, paragraphing, and Standard English.

- a) Use subject-verb agreement.
- Eliminate double negatives.
 - Use noun-pronoun agreement. d) Use commas in series, dates, and addresses.
 - Correctly use adjectives and adverbs. f) Use quotation marks with dialogue. g) Use correct spelling including common homophones.
 - Use singular possessives.

Science

Units of Study: Scientific Investigations (ongoing), VA's Natural Resources, Earth/Space Systems (Solar System, Planets)

Description

- distinctions are made among observations, conclusions, inferences, and predictions
- objects or events are classified and arranged according to characteristics or properties
- appropriate instruments are selected and used to measure length, mass, volume, and temperature in metric units
- appropriate instruments are selected and used to measure elapsed time
- predictions and inferences are made, and conclusions are drawn based on data from a variety of sources
- independent and dependent variables are identified
- constants in an experimental situation are identified
- hypotheses are developed as cause and effect relationships
- data are collected, recorded, analyzed, and displayed using bar and basic line graphs
- Virginia has many natural resources including watersheds, minerals, rocks, ores, soil, land and forests.
- our solar system is composed of planets that each have specific characteristics, primarily due to their location within the system.

Second Quarter Nine Week Plans - Fourth Grade**Virginia Studies**

Units of Study: Colonial Virginia

Description

- explaining the reasons for English colonization;
- describing the economic and geographic influences on the decision to settle at Jamestown;
- describing the importance of the charters of the Virginia Company of London in establishing the Jamestown settlement;
- identifying the importance of the General Assembly (1619) as the first representative legislative body in English America;
- identifying the impact of the arrival of Africans and English women to the Jamestown settlement;
- describing the hardships faced by settlers at Jamestown and the changes that took place to ensure survival;
- describing the interactions between the English settlers and the native peoples, including the role of the Powhatan in the survival of the settlers.
- explaining the importance of agriculture and its influence on the institution of slavery;
- describing how the culture of colonial Virginia reflected the origins of American Indians, European (English, Scots-Irish, German) immigrants, and Africans;
- explaining the reasons for the relocation of Virginia's capital from Jamestown to Williamsburg;
- describing how money, barter, and credit were used;
- describing everyday life in colonial Virginia.

Math

Units of Study: Multiplication and Division

Description

- demonstrate fluency with multiplication facts through 12 x 12, and the corresponding division facts;
- identify, describe, create, and extend patterns found in objects, pictures, numbers, and tables.
- recognize and demonstrate the meaning of equality in an equation.

Reading

Units of Study: Reading the Weather, Reading the World (Nonfiction)

Description

- Expand vocabulary when Reading.
- Read and demonstrate comprehension of nonfiction text.

Writing

Units of Study: Boxes and Bullets: Personal and Persuasive Essays

4.7 The student will write in a variety of forms to include narrative, descriptive, opinion, and expository.

- Engage in writing as a process.
- Select audience and purpose.
- Narrow the topic.
- Use a variety of prewriting strategies.
- Recognize different forms of writing have different patterns of organization.
- Organize writing to convey a central idea.
- Write a clear topic sentence focusing on the main idea.
- Write related paragraphs on the same topic.
- Elaborate writing by including details to support the purpose.
- Express an opinion about a topic and provide fact-based reasons for support.
- Use transition words and
- prepositional phrases for sentence variety.
- Utilize elements of style, including word choice and sentence variation.
- Revise writing for clarity of content using specific vocabulary and information.

4.8 The student will self- and peer-edit writing for capitalization, spelling, punctuation, sentence structure, paragraphing, and Standard English.

- Use subject-verb agreement.
- Eliminate double negatives.
- Use noun-pronoun agreement.
- Use commas in series, dates, and addresses.
- Correctly use adjectives and adverbs.
- Use quotation marks with dialogue.
- Use correct spelling including common homophones.
- Use singular possessives.

Science

Units of Study: Scientific Investigations (ongoing), Relationship of the Earth, Moon, & Sun, Weather Phenomena

Description

- distinctions are made among observations, conclusions, inferences, and predictions
- objects or events are classified and arranged according to characteristics or properties
- appropriate instruments are selected and used to measure length, mass, volume, and temperature in metric units
- appropriate instruments are selected and used to measure elapsed time
- predictions and inferences are made, and conclusions are drawn based on data from a variety of sources
- independent and dependent variables are identified
- constants in an experimental situation are identified
- hypotheses are developed as cause and effect relationships

- data are collected, recorded, analyzed, and displayed using bar and basic line graphs
- Describe how the Earth, moon, and sun in the solar system relate to each other and lead to seasons, tides, and phases of the moon
- Weather conditions and phenomena may have a significant impact on ecosystems

Third Quarter Nine Week Plans - Fourth Grade

Virginia Studies

Units of Study: American Revolution and Civil War

Description

- identifying the various roles of American Indians, whites, enslaved African Americans, and free African Americans in the Revolutionary War era, including George Washington, Thomas Jefferson, Patrick Henry, the Marquis de Lafayette, and James Lafayette;
- identifying the importance of the American victory at Yorktown;
- examining the reasons for the relocation of Virginia's capital from Williamsburg to Richmond.
- explaining why George Washington is called the "Father of our Country" and James Madison is called the "Father of the Constitution";
- identifying the ideas of George Mason, as expressed in the Virginia Declaration of Rights, and Thomas Jefferson, as expressed in the Virginia Statute for Religious Freedom;
- explaining the influence of geography and technological advances on the migration of Virginians into other states and western territories in the first half of the 1800s.
- explaining the major events and the differences between northern and southern states that divided Virginians and led to secession, war, and the creation of West Virginia;
- describing Virginia's role in the war, including identifying major battles that took place in Virginia;
- describing the roles of American Indians, whites, enslaved African Americans, and free African Americans.
- identifying the effects of Reconstruction on life in Virginia;
- identifying the effects of segregation and "Jim Crow" on life in Virginia for American Indians, whites, and African Americans;
- describing the importance of railroads, new industries, and the growth of cities to Virginia's economic development.

Math

Units of Study: Fractions and Decimals

Description

- compare and order fractions and mixed numbers, with and without models;
- represent equivalent fractions;
- identify the division statement that represents a fraction, with models and in context.
- read, write, represent, and identify decimals expressed through thousandths;
- round decimals to the nearest whole number;
- compare and order decimals;

- given a model, write the decimal and fraction equivalents.
- determine common multiples and factors, including least common multiple and greatest common factors;
- add and subtract fractions and mixed numbers having like and unlike denominators;
- solve single-step practical problems involving addition and subtraction with fractions and mixed numbers.
- add and subtract with decimals;
- solve single-step and multistep practical problems involving addition and subtraction with decimals.

Reading

Units of Study: Reading History: The American Revolution

Description

- Expand vocabulary when Reading.
- Read and demonstrate comprehension of fictional text.
- Read and demonstrate comprehension of nonfiction text.

Writing

Units of Study: Bringing History to Life

Description**4.7 The student will write in a variety of forms to include narrative, descriptive, opinion, and expository.**

- Engage in writing as a process.
- Select audience and purpose.
- Narrow the topic.
- Use a variety of prewriting strategies.
- Recognize different forms of writing have different patterns of organization.
- Organize writing to convey a central idea.
- Write a clear topic sentence focusing on the main idea.
- Write related paragraphs on the same topic.
- Elaborate writing by including details to support the purpose.
- Express an opinion about a topic and provide fact-based reasons for support.
- Use transition words and prepositional phrases for sentence variety.
- Utilize elements of style, including word choice and sentence variation.
- Revise writing for clarity of content using specific vocabulary and information.

4.8 The student will self- and peer-edit writing for capitalization, spelling, punctuation, sentence structure, paragraphing, and Standard English.

- Use subject-verb agreement.
- Eliminate double negatives.
- Use noun-pronoun agreement.
- Use commas in series, dates, and addresses.
- Correctly use adjectives and adverbs.
- Use quotation marks with dialogue.

- Use correct spelling including common homophones.
- Use singular possessives.

Science

Units of Study: Scientific Investigations (ongoing), Living Systems & Processes (Plants, Animals, & Ecosystems)

Description

- distinctions are made among observations, conclusions, inferences, and predictions
- objects or events are classified and arranged according to characteristics or properties
- appropriate instruments are selected and used to measure length, mass, volume, and temperature in metric units
- appropriate instruments are selected and used to measure elapsed time
- predictions and inferences are made, and conclusions are drawn based on data from a variety of sources
- independent and dependent variables are identified
- constants in an experimental situation are identified
- hypotheses are developed as cause and effect relationships
- data are collected, recorded, analyzed, and displayed using bar and basic line graphs
- Plants and animals have different processes and structures that allow them to carry out life processes such as obtaining energy and reproduction.
- An ecosystem is composed of interacting components that allow for the transfer of matter and energy.

Fourth Quarter Nine Week Plans - Fourth Grade**Virginia Studies**

Units of Study: 1900 to present

Description

- describing how national events, including women's suffrage and the Great Depression, affected Virginia and its citizens;
- describing the social and political events in Virginia linked to desegregation and Massive Resistance and their relationship to national history;
- describing the political, social, or economic impact made by Maggie L. Walker; Harry F. Byrd, Sr.; Oliver W. Hill, Sr.; Arthur R. Ashe, Jr.; A. Linwood Holton, Jr.; and L. Douglas Wilder.
- identifying the three branches of Virginia government and the function of each;
- describing the major products and industries important to Virginia's economy;
- explaining how advances in transportation, communications, and technology have contributed to Virginia's prosperity and role in the global economy.

Math

Units of Study: Measurement, Geometry, and Probability

Description

- solve practical problems that involve determining perimeter and area in U.S. Customary and metric units.
- estimate and measure the length and describe the result in U.S. Customary and metric units;
- estimate and measure weight/mass and describe the result in U.S. Customary and metric units;
- given the equivalent measure of one unit, identify equivalent measures of length, weight/mass, and liquid volume between units within the U.S. Customary system;
- solve practical problems that involve length, weight/mass, and liquid volume in U.S. Customary units.
- solve practical problems related to elapsed time in hours and minutes within a 12-hour period.
- identify and describe points, lines, line segments, rays, and angles, including endpoints and vertices;
- identify and describe intersecting, parallel, and perpendicular lines.
- identify, describe, compare, and contrast plane and solid figures according to their characteristics (number of angles, vertices, edges, and the number and shape of faces) using concrete models and pictorial representations.
- classify quadrilaterals as parallelograms, rectangles, squares, rhombi, and/or trapezoids.
- determine the likelihood of an outcome of a simple event;
- represent the probability as a number between 0 and 1, inclusive;
- create a model or practical problem to represent a given probability.
- collect, organize, and represent data in bar graphs and line graphs;
- interpret data represented in bar graphs and line graphs;
- compare two different representations of the same data (e.g., a set of data displayed on a chart and a bar graph, a chart and a line graph, or a pictograph and a bar graph).

Reading

Units of Study: Historical Book Clubs

Description

- **Expand vocabulary when Reading.**
- **Read and demonstrate comprehension of fictional text.**
- **Read and demonstrate comprehension of nonfiction text.**

Writing

Units of Study: The Literacy Essay

Description

4.7 The student will write in a variety of forms to include narrative, descriptive, opinion, and expository.

- Engage in writing as a process.
- Select audience and purpose.
- Narrow the topic.

- Use a variety of prewriting strategies.
- Recognize different forms of writing have different patterns of organization.
- Organize writing to convey a central idea.
- Write a clear topic sentence focusing on the main idea.
- Write related paragraphs on the same topic.
- Elaborate writing by including details to support the purpose.
- Express an opinion about a topic and provide fact-based reasons for support.
- Use transition words and prepositional phrases for sentence variety.
- Utilize elements of style, including word choice and sentence variation.
- Revise writing for clarity of content using specific vocabulary and information.

4.8 The student will self- and peer-edit writing for capitalization, spelling, punctuation, sentence structure, paragraphing, and Standard English.

- Use subject-verb agreement.
- Eliminate double negatives.
- Use noun-pronoun agreement.
- Use commas in series, dates, and addresses.
- Correctly use adjectives and adverbs.
- Use quotation marks with dialogue.
- Use correct spelling including common homophones.
- Use singular possessives.

Science

Units of Study: Scientific Investigations (ongoing), Earth/Space Systems (Oceans/Ocean Organisms)

Description

- distinctions are made among observations, conclusions, inferences, and predictions
- objects or events are classified and arranged according to characteristics or properties
- appropriate instruments are selected and used to measure length, mass, volume, and temperature in metric units
- appropriate instruments are selected and used to measure elapsed time
- predictions and inferences are made, and conclusions are drawn based on data from a variety of sources
- independent and dependent variables are identified
- constants in an experimental situation are identified
- hypotheses are developed as cause and effect relationships
- data are collected, recorded, analyzed, and displayed using bar and basic line graphs
- physical properties and movement of ocean water
- interaction of organisms in the ocean