

## Grade 4 Essential Standards

### Quarter 1 (September 8 – October 30)

The standards listed below represent the most critical content chosen for the Return to School plan for the unique 2020-21 school year. Focusing on these Essential Standards allows teachers to make the most out of the time they have with your child. The standards for the four core content areas have been carefully chosen to guide teachers as they plan for instruction and support your child's learning. Your student's mastery of these selected standards will be assessed during the 2020-21 school year.

### Language Arts

(Reading and Writing)

#### **Becoming a Community of Readers and Writers (September 8-October 9; 5 weeks total)**

- Reflect on their habits and needs and plan ways to increase productivity and engagement.
- Engage in conversations to understand other perspectives and shape their ideas.
- Work toward flexible thinking, using discussion to uncover layers of meaning.
- Match their choice of genre and form with the purpose of their writing.
- Reflect on and explore the topics, ideas, and stories that matter most to them.
- Use knowledge of roots, affixes, synonyms, antonyms, and homophones to determine the meaning of new words.

#### **Stories: Fiction (October 13-November 24; 7 weeks total)**

- Develop ideas and theories about characters by tracking their internal and external journeys.
- Use discussion to understand the perspectives of others.
- Analyze the choices writers and illustrators make to construct power, position, and perspectives.
- Create and utilize a process that helps students compose a story.
- Use narrative writing techniques to strengthen their story and develop their message.

### Math

#### **Addition and Subtraction (September 8-October 9; 5 weeks total)**

- 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.
- Create and solve single-step and multistep addition, subtraction, multiplication, and division problems with whole numbers.
- Identify, describe, create, and extend patterns found in objects, pictures, numbers, and tables.
- Recognize the meaning of equality in an equation.

#### **Prior Supporting Essential Standards:**

- Read, write and the place value of each digit in a six-digit whole number, with and without models.

- Round whole numbers, 9,999 or less, to the nearest ten, hundred, and thousand.
- Compare and order whole numbers each 9,999 or less.
- Estimate and determine the sum or difference of two whole numbers.
- Create and solve single-step and multistep practical problems involving sums or differences of two whole numbers, each 9,999 or less.
- Identify, describe, create, and extend patterns found in objects, pictures, numbers, and tables.
- Create equations to represent equivalent mathematical relationships.

#### **Fractions Part 1 (October 12-November 24; 7 weeks total)**

- Compare and order fractions and mixed numbers, with and without models.
- Represent equivalent fractions.

### Advanced Math

#### **Characteristics of Numbers (September 8-October 2; 4 weeks total)**

- Identify and describe the characteristics of prime and composite numbers.
- Identify and describe the characteristics of even and odd numbers.

#### **Fraction and Decimal Number Sense (October 5-November 13; 6 weeks total)**

- 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.
- Given a decimal through thousandths, round to the nearest whole number, tenth, or hundredth
- Represent and identify equivalencies among fractions and decimals, with and without models
- Compare and order fractions, mixed numbers, and/or decimals, in a given set, from least to greatest and greatest to least

*\*\*Students will learn about Geometry during asynchronous instruction with provided digital resources\*\**

### Science

#### **Virginia Ecosystems (September 8-September 18; 2 weeks total)**

- **Demonstrate an understanding of scientific and engineering practices by:**
  - Asking questions and defining problems
  - Developing and using models
  - Obtaining, evaluating, and communicating information
- **Investigate and understand that:**
  - Organisms, including humans, interact with one another and with the nonliving components in the ecosystem
  - Interrelationships exist in populations, communities, and ecosystems
  - Virginia has important natural resources including watersheds and water, minerals, rocks, and ores

**Virginia Ecosystems(September 21-October 9; 3 weeks total)**

- **Demonstrate an understanding of scientific and engineering practices by:**
  - Constructing and critiquing conclusions and explanations
  - Developing and using models
  - Obtaining, evaluating, and communicating information
- **Investigate and understand that:**
  - Organisms, including humans, interact with one another and with the nonliving components in the ecosystem
  - Changes in an organism’s niche and habitat may occur at various stages in its life cycle
  - Virginia has important natural resources including watersheds and water

**Virginia Ecosystems(October 12 -October 30; 3 weeks total)**

- **Demonstrate an understanding of scientific and engineering practices by:**
  - Constructing and critiquing conclusions and explanations
  - Developing and using models
  - Obtaining, evaluating, and communicating information
- **Investigate and understand that:**
  - Organisms, including humans, interact with one another and with the nonliving components in the ecosystem
  - Changes in an organism’s niche and habitat may occur at various stages in its life cycle
  - Virginia has important natural resources including watersheds and water

**Social Studies****Civics (September 8-September 18; 2 weeks total)**

- Demonstrate responsible citizenship, both on and offline, and construct an understanding of the Student Rights and Responsibilities (including Digital Citizenship) by showing respect for rules and laws while collaborating, compromising, and participating in classroom activities.
- Understand the significance of Constitution Day and the establishment of a new American nation through the ideas of George Mason and the Virginia Declaration of Rights.

**Virginia’s Geography (September 21-October 9; 3 weeks total)**

- Understand where Virginia, its bordering states, and bodies of water are in the context of our world.
- Locate, describe, and compare Virginia's 5 regions (Coastal Plain, Piedmont, Blue Ridge Mountains, Valley and Ridge, Appalachian Plateau).
- Locate and evaluate Virginia's water features (Atlantic Ocean, Chesapeake Bay, James River, York River, Rappahannock River, Potomac River) to explain their impact on early Virginia and beyond.

**Native Peoples of Virginia (October 12 -October 30; 3 weeks total)**

- Locate the 3 American Indian language groups (Algonquian, Siouan, Iroquoian) on a map of Virginia.
- Explain and analyze how Virginia's early Native Peoples adapted to the environment and climate to meet their daily needs: food, clothing, and shelter.
- Describe the lives of Native Peoples in Virginia today, making connections between the past and present.