Essential Standards: Week March 30 (*Standards Reviewed in Packet 1*)

Reading	• Use knowledge of synonyms (understand and generate synonyms)
Writing	• Engage in writing as a process (identify topic, use organizational strategies to structure writing, add specific details to further elaboration)
Mathematics	• 3.1 Place Value; Compare/Order/Round Numbers - The student will: c) compare and order whole numbers, each 9,999 or less • 3.3 Addition/Subtraction Problems - The student will: a) estimate and determine the sum or difference of two whole numbers b) create and solve single-step and multistep practical problems involving sums or differences of two whole numbers, each 9,999 or less

Essential Standards: Week April 13-17 (*Standards Reviewed in Packet 2*)

Reading	• 3.4 The student will expand vocabulary when reading. b) Use knowledge of antonyms
Writing	• 3.8 The student will write expository text a) Engage in writing as a process j) Revise for clarity of content using specific vocabulary
Mathematics	• 3.1 Place Value; Compare/Order/Round Numbers - The student will: a) read, write, and identify the place and value of each digit in a six-digit whole number, with and without models c) compare and order whole numbers, each 9,999 or less • 3.3 Addition/Subtraction Problems - The student will: a) estimate and determine the sum or difference of two whole numbers b) create and solve single-step and multistep practical problems involving sums or differences of two whole numbers, each 9,999 or less • 3.4 Multiplication and Division - The student will: a) represent multiplication/division through 10 × 10, using a variety of approaches and models b) create and solve single-step practical problems that involve multiplication and division through 10 × 10
Adv. Mathematics	• G4.2 Understand Fractions - The student will: a) compare and order fractions and mixed numbers, with and without models b) represent equivalent fractions • G4.3 Understand Decimals - The student will: a) read, write, represent, and identify decimals expressed through thousandths • G4.4 Whole Number Operations - The student will: a) demonstrate fluency with multiplication facts through 12 × 12, and corresponding division facts b) estimate and determine sums, differences, and products of whole numbers d) create and solve single-step and multistep practical problems involving addition, subtraction, and multiplication, and single-step practical problems involving division with whole numbers
Science	Students use observations to provide evidence of and construct an explanation about soil erosion

| **Social Studies** | • Essential Skill: 3.1b
Using geographic information to support an understanding of world cultures
-Develop map skills |

Essential Standards: Week April 20-24 (*Standards Aligned to Packet 3*)

| **Reading** | • 3.3 The student will apply word-analysis skills when reading.
b) Decode regular multisyllabic words
• 3.4 The student will expand vocabulary when reading.
c) Apply phonetic strategies
• 3.5 The student will read and demonstrate comprehension of poetry.
j) Identify the theme |
| **Writing** | • 3.8 The student will write in a variety of forms (poetry).
a) Engage in writing as a process
c) Use a variety of prewriting strategies to plan and organize writing
k) Use mentor texts as an example of writing.
• 3.9 The student will edit writing for capitalization, punctuation, spelling, and Standard English.
a) Use commas in a simple series
k) Edit own writing for spelling of grade appropriate words |

| **Mathematics** | • 3.4 Multiplication and Division - The student will:
a) represent multiplication and division through 10 × 10, using a variety of approaches and models
b) create and solve single-step practical problems that involve multiplication and division through 10 × 10 |
| **Adv. Mathematics** | • G4.12 Classify Quadrilaterals - The student will:
a) classify quadrilaterals as parallelograms, rectangles, squares, rhombi, and/or trapezoids
• G4.7 Perimeter and Area - The student will:
a) solve practical problems that involve determining perimeter and area in U.S. Customary and metric units |

| **Science** | • 3.1 The student will demonstrate an understanding of scientific/engineering practices by:
a) asking questions and defining problems
• 3.6 The student will investigate and understand that soil is important in ecosystems. Key ideas include:
a) soil, with its different components, is important to organisms |

| **Social Studies** | • Essential Skill: 3.1d
Demonstrating critical thinking - summarizing points and evidence to answer a question
• Essential Standard: 3.3
Explain how the contributions of ancient Greece have influenced the present world in terms of architecture, government (direct and representative democracy), and sports |

Essential Standards: Week April 27 – May 1 (*Standards Aligned to Packet 4*)

Reading	• 3.3 The student will apply word-analysis skills when reading.
	   b) Decode regular multisyllabic words
	• 3.4 The students will expand vocabulary when reading.
	   c) Apply phonetic strategies
	• 3.5 The student will read and demonstrate comprehension of poetry.
	   f) Identify the speaker of a poem
	   h) Draw conclusions using text for support
	   i) Identify the main conflict and resolution

Writing	• 3.8 The student will write in a variety of forms (poetry).
	   a) Engage in writing as a process
	   d) Follow the organization of particular forms of writing
	   f) Elaborate writing by including supporting ideas
	   k) Use mentor texts as an example of writing

Mathematics	• 3.4 Multiplication and Division - The student will:
	   a) represent multiplication and division through 10 × 10, using a variety of approaches and models
	   b) create and solve single-step practical problems that involve multiplication and division through 10 × 10

Adv. Mathematics	• G4.7 Perimeter and Area - The student will:
	   a) solve practical problems that involve determining perimeter and area in U.S. Customary and metric units
	• G4.8 Estimate/Measure and Solve Measurement Problems - The student will:
	   a) estimate and measure length and describe the result in U.S. Customary and metric units
	   c) 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

Science	• 3.1 The student will demonstrate an understanding of scientific/engineering practices by:
	   b) planning and carrying out investigations
	• 3.6 The student will investigate and understand that soil is important in ecosystems. Key ideas include:
	   a) soil, with its different components, is important to organisms
	   b) soil provides support and nutrients necessary for plant growth

Social Studies	• Essential Skill: 3.1e - Compare and contrast - comparing and contrasting ideas and perspectives to better understand people or events in world cultures • Essential Standard: 3.7 Describe how people in ancient world cultures adapted to their environment (focus on ancient Greece, comparing to previously learned cultures)

Essential Standards: Week May 4-8 (*Standards Aligned to Packet 5*)

Reading	3.3 The student will apply word-analysis skills when reading. c) Apply knowledge of inflectional endings 3.4 The students will expand vocabulary when reading. b) Apply knowledge of roots 3.6 The student will read and demonstrate comprehension of nonfiction texts c) Preview and use text features
Writing	3.8 The student will write expository text Engage in writing as a process Use organizational strategies to structure writing d) Follow the organization of particular forms of writing (expository) k) Use mentor texts as an example of writing 3.9 The student will edit writing for capitalization, punctuation, spelling, and Standard English. h) Use apostrophes in contractions with pronouns k) Edit own writing for spelling of grade appropriate words

Mathematics	3.4 Multiplication and Division - The student will: a) represent multiplication and division through 10 × 10, using a variety of approaches and models b) create and solve single-step practical problems that involve multiplication and division through 10 × 10
Adv. Mathematics	- G4.8 Estimate/Measure and Solve Measurement Problems - The student will: c) 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 - G4.9 Solve Elapsed Time Problems - The student will: a) solve practical problems related to elapsed time in hours and minutes within a 12- hour period

Science	3.1 The student will demonstrate an understanding of scientific/engineering practices by: c) interpreting, analyzing, and evaluating data 3.6 The student will investigate and understand that soil is important in ecosystems. Key ideas include: a) soil, with its different components, is important to organisms b) soil provides support and nutrients necessary for plant growth

Social Studies	- Essential Skill: 3.1f - Determine cause and effect - determining relationships with multiple causes or effects - Essential Standard: 3.3 Explain how the contributions of ancient Rome have influenced the present world in terms of architecture, government (direct and representative democracy), and sports

Essential Standards: Week May 11-15 (*Standards Aligned to Packet 6*)

Reading	• 3.4 The student will expand vocabulary when reading. b) Apply knowledge of affixes to decode words • 3.6 The student will read and demonstrate comprehension of nonfiction texts. g) Identify the main idea h) Identify supporting details
Writing	• 3.8 The student will write expository text, a) Engage in writing as a process e) Write a clear topic sentence focusing on the main idea f) Elaborate writing by including supporting details g) Use transition words to vary sentence structure k) Use mentor texts as an example of writing

Mathematics	• 3.4 Multiplication and Division - The student will: a) represent multiplication and division through 10 × 10, using a variety of approaches and models b) create and solve single-step practical problems that involve multiplication and division through 10 × 10 • 3.17 Equality/Equations - The student will: a) create equations to represent equivalent mathematical relationships
Adv. Mathematics	• G4.9 Solve Elapsed Time Problems - The student will: a) solve practical problems related to elapsed time in hours and minutes within a 12- hour period. • G4.13 Probability - The student will: a) determine the likelihood of an outcome of a simple event. b) represent probability as a number between 0 and 1, inclusive c) create a model or practical problem to represent a given probability

Science	• 3.1 The student will demonstrate an understanding of scientific and engineering practices by: d) constructing and critiquing conclusions and explanations • 3.6 The student will investigate and understand that soil is important in ecosystems. Key ideas include: a) soil, with its different components, is important to organisms b) soil provides support and nutrients necessary for plant growth

Social Studies	• Essential Skill: 3.1c Organizing information - interpreting charts, graphs, and pictures to determine characteristics of people, places, or events to support understanding of world cultures • Essential Standard: 3.7 Describe how people in ancient world cultures adapted to their environment (focus on ancient Rome, comparing to previously learned cultures)

Essential Standards: Week May 18-22 (*Standards Aligned to Packet 7*)

Reading	• 3.4 The students will expand vocabulary when reading.
	  d) Use context to clarify meaning of unfamiliar words
	• 3.6 The student will read and demonstrate comprehension of nonfiction texts.
	  f) Summarize information found in nonfiction materials

Writing	• 3.8 The student will write narratives
	  a) Engage in writing as a process
	  k) Use mentor texts as an example of writing
	• 3.9 The student will edit writing for capitalization, punctuation, spelling, and Standard English.
	  j) Use correct spelling for irregular plurals
	  k) Edit own writing for spelling of grade appropriate words

Mathematics	• 3.17 Equality/Equations - The student will:
	  a) create equation to represent equivalent mathematical relationships
	• 3.14 Probability - The student will:
	  a) investigate and describe the concept of probability as a measurement of chance and list possible outcomes for a single event

Adv. Mathematics	• G4.13 Probability - The student will:
	  b) represent probability as a number between 0 and 1, inclusive
	• G4.14 Bar and Line Graphs - The student will:
	  a) collect, organize, and represent data in bar graphs and line graphs
	  b) interpret data represented in bar graphs and line graphs

Science	• 3.1 The student will demonstrate an understanding of scientific reasoning, logic, and the nature of science by planning and conducting investigations in which:
	  b) predictions are formulated using a variety of sources of information
	  c) objects with similar characteristics or properties are classified into at least two sets and two subsets
	• 3.2 The student will investigate and understand simple machines and their uses. Key concepts include:
	  a) purpose and function of simple machines
	  b) types of simple machines

Social Studies	• Essential Skill: 3.1b
	  Using geographic information to support an understanding of world cultures
	• Essential Skill: 3.1g
	  Make connections - explaining connections across time and place
	• Essential Standard: 3.4
	  Describe the oral tradition (storytelling), government (kings), and economic development (trade) of the early West African empire of Mali.

Essential Standards: Week May 26-29 (*Standards Aligned to Packet 8*)

Reading	• 3.3 The student will apply word-analysis skills when reading. a) Use knowledge of regular and irregular vowel patterns • 3.5 The student will read and demonstrate comprehension of fiction. d) Compare and contrast settings, characters, and plot events
Writing	• 3.8 The student will write narratives a) Engage in writing as a process c) Use a variety of prewriting strategies d) Use organizational strategies to structure writing according to type f) Elaborate writing by including supporting ideas k) Use mentor texts as an example of writing • 3.9 The student will edit writing for capitalization, punctuation, spelling, and Standard English. b) Use the word I in compound subjects

Mathematics	• 3.14 Probability - The student will: a) investigate and describe the concept of probability as a measurement of chance and list possible outcomes for a single event • 3.15 Pictographs and Bar Graphs - The student will: a) collect, organize, and represent data in pictographs or bar graphs b) read and interpret data represented in pictographs and bar graphs
Adv. Mathematics	• G4.14 Bar and Line Graphs - The student will: b) interpret data represented in bar graphs and line graphs c) 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) • G4.2 Understand Fractions - The student will: a) compare and order fractions and mixed numbers, with and without models b) represent equivalent fractions

Science	• 3.1 The student will demonstrate an understanding of scientific reasoning, logic, and the nature of science by planning and conducting investigations in which: j) inferences are made and conclusions are drawn • 3.2 The student will investigate and understand simple machines and their uses. Key concepts include: a) purpose and function of simple machines b) types of simple machines

Social Studies	• Essential Skill: 3.1 Make economic decisions - using a decision-making model to make informed decisions • Essential Standard: 3.8 Demonstrate an understanding of different cultures and their natural, human, capital resources in the production of goods and services.

Essential Standards: Week June 1-5 (*Standards Aligned to Packet 9*)

Reading	• 3.3 The student will apply word-analysis skills when reading. a) Use knowledge of regular and irregular vowel patterns • 3.5 The student will read and demonstrate comprehension of fiction g) Ask and answer questions about what is read h) Draw conclusions using the text for support
Writing	• 3.8 The student will write narratives a) Engage in writing as a process g) Use transition words to vary sentence structure j) Revise writing for clarity of content using specific vocabulary and information k) Use mentor texts as an example for writing • 3.9 The student will edit writing for capitalization, punctuation, spelling, and Standard English. I) Use the articles a, an, and the correctly

Mathematics	• 3.15 Pictographs and Bar Graphs - The student will: a) collect, organize, and represent data in pictographs or bar graphs b) read and interpret data represented in pictographs and bar graphs • 3.2 Understand Fractions - The student will: a) name and write fractions and mixed numbers represented by a model
Adv. Mathematics	• G4.2 Understand Fractions - The student will: a) compare and order fractions and mixed numbers, with and without models b) represent equivalent fractions. • G4.5 Find Multiples/Factors and Add/Subtract Fractions - The student will: b) add and subtract fractions and mixed numbers having like and unlike denominators c) solve single-step practical problems involving addition and subtraction with fractions and mixed numbers • G4.3 Understand Decimals - The student will: c) compare and order decimals d) given a model, write the decimal and fraction equivalents

Science	• 3.1 The student will demonstrate an understanding of scientific reasoning, logic, and the nature of science by planning and conducting investigations in which: h) data are gathered, charted, graphed, and analyzed i) unexpected or unusual quantitative data are recognized • 3.2 The student will investigate and understand simple machines and their uses. Key concepts include: c) compound machines d) examples of simple and compound machines found in the school, home, and work environments

Social Studies	• Essential Skill: 3.1h - Make economic decisions - using a decision-making model to make informed decisions • Essential Standard: 3.10 Identify examples of making an economic choice and explain the idea of opportunity cost (what is given up when making a choice)

Essential Standards: Week June 8-12 (*Standards Aligned to Packet 10*)

Reading	• 3.4 The students will expand vocabulary when reading. a) Use knowledge of homophones • 3.5 The student will read and demonstrate comprehension of fiction j) Identify the conflict and resolution e) summarize plot events
Writing	• 3.8 The student will write narratives a) Engage in writing as a process k) Use mentor texts as an example for writing • 3.9 The student will edit writing for capitalization, punctuation, spelling, and Standard English. h) Use apostrophes in possessives k) Edit own writing for spelling of grade appropriate words

Mathematics	• 3.2 Understand Fractions - The student will: a) name and write fractions and mixed numbers represented by a model
Adv. Mathematics	• G4.3 Understand Decimals - The student will: c) compare and order decimals d) given a model, write the decimal and fraction equivalents • G4.6 Add/Subtract Decimals - The student will: a) add and subtract decimals

Science	• 3.1 The student will demonstrate an understanding of scientific reasoning, logic, and the nature of science by planning and conducting investigations in which: l) models are designed and built • 3.2 The student will investigate and understand simple machines and their uses. Key concepts include: a) purpose and function of simple machines b) types of simple machines c) compound machines d) examples of simple and compound machines found in the school, home, and work environments

Social Studies	• Essential Skill: 3.1i Exercise civic responsibility - practicing good citizenship skills and demonstrating respect for rules and laws while collaborating, compromising, and participating in classroom activities • Essential Standard: 3.11 and 3.12 Explain the responsibilities of a good citizen; recognize the importance of government in the community, Virginia, and the United States of America