



GRADES 4-7 CONTENT SCHEDULE

The following six weeks of instructional programming is made possible with funding from the Virginia Department of Education and WHRO Public Media.

WEEK 1: SEPTEMBER 14 - 18, 2020

SEPTEMBER 14: MONDAY - ENGLISH

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Thinking about Theme	ENG 4.5b	Students read a story and determine important details. These important details support students in deciding the theme of the story.
5	Context Clues: What's the Meaning?	ENG 5.4a	Students explore various examples of context clues and discover how to use each when faced with an unknown word in a sentence.
6	Plot Structure	ENG 6.5a	In this lesson, students review narrative elements. Students apply their understanding of narrative elements to understand plot development.
7	Reading a Narrative with a Development	ENG 7.5a	Students briefly review narrative elements. Students apply their understanding of narrative elements and plot development.

SEPTEMBER 15: TUESDAY - MATHEMATICS

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Place Value	MATH 4.1a	In this lesson, students learn the definition of digit, place, value, and place value. Students also determine the place and value of 9-digit numbers.
5	Even and Odd Numbers	MATH 5.3b	Students learn the definition of even and odd numbers. They visualize what even and odd numbers look like using colored counters. Students analyze even and odd numbers on a 100s Chart and notice patterns with even and odd numbers to help identify whether a number is even or odd.
6	Identifying Integers	MATH 6.3a	Students learn how to identify integers and determine which situations require a negative or a positive integer.
7	Perfect Squares	MATH 7.1d	Students learn techniques for identifying perfect squares.

SEPTEMBER 16: WEDNESDAY - ENGLISH

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Exploring Fiction Genres	ENG 4.5d	Students examine authentic texts to learn about 3 kinds of fiction: folktale, realistic fiction, and historical fiction.
5	Exploring Theme in Fiction	ENG 5.5d	Students learn the meaning of theme and learn of its importance in fictional texts. Through various examples, students practice uncovering the theme in a story.
6	A Variety of Genres	ENG 6.5g	Students learn about fictional and nonfictional genres using examples from realistic fiction, mythology, short stories, novels, drama, mysteries, historical fiction, biographies, and autobiographies.
7	Using Context to Understand Narrative Poetry	ENG 7.4e	Students briefly review narrative and poetic elements to better understand narrative poetry. Students examine the context to help define the meaning of unfamiliar words to better understand what is happening in the narrative poem.

SEPTEMBER 17: THURSDAY - MATHEMATICS

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Place Value: Reading and Writing 9-digit Numbers	MATH 4.1a	In this lesson, students learn the definition of standard form, written form, and expanded form. Students also learn to read and write 9-digit numbers in standard, written, and expanded form.
5	Identifying Prime and Composite Numbers	MATH 5.3a	Students learn to use factors to determine if a number is prime or composite. Students learn that rectangular arrays are a visual representation of a number's factors and can be used to determine if a number is prime or composite.
6	Representing Integers	MATH 6.3a	In this lesson, students learn about integers and how to represent them using number lines and counter chips.
7	Square Roots	MATH 7.1d	Students identify the square roots of a perfect square by investigating the area of squares and using factors of whole numbers.

SEPTEMBER 18: FRIDAY - ENGLISH

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Who Said That? Dialogue 101	ENG 4.8f	Students learn how to use quotation marks with dialogue in this lesson.
5	Mind Mapping	ENG 5.7c	In this lesson, students learn to use mind mapping as a prewriting strategy.
6	Expanding Vocabulary	ENG 6.4b	Students learn about synonyms and antonyms to increase their academic vocabulary.
7	Credible Research	ENG 7.9a, b	In this lesson, students identify differences between real and fake news to effectively research a topic.

WEEK 2: SEPTEMBER 21 - 25, 2020**September 21: MONDAY - MATHEMATICS**

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Comparing Whole Numbers	MATH 4.1b	This lesson reviews place values of numbers up through the millions and how to compare the values of two numbers to each other.
5	Patterns in Prime and Composite Numbers	MATH 5.3a	In this lesson, students analyze patterns and rules for prime and composite numbers using divisibility, even and odd, and patterns in a hundred board.
6	Comparing Integers	MATH 6.3b	Students review what an integer is and how to compare integers.
7	Absolute Value	MATH 7.1e	Students explore how to determine the absolute value of a number on a number line and how to use absolute value to find the distance between two numbers.

September 22: TUESDAY - ENGLISH

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Author's Choices Make a Story	ENG 4.5a	In this lesson, students discover how the author's choices with setting and characters develop the plot.
5	How Dynamic Are You?	ENG 5.5c	Students explore and identify the difference between static and dynamic characters.
6	Characterization and Traits	ENG 6.5a	In this lesson, students discover the five traits of a character and the difference between them.
7	Reading a Narrative with a Focus on Character Development	ENG 7.5a	Students practice classifying characters using elements of characterization to understand how the character develops throughout the story.

September 23: WEDNESDAY - MATHEMATICS

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Ordering Whole Numbers	MATH 4.1b	Students learn how to compare and order values of numbers up through the millions.
5	Order of Operations: Part One	MATH 5.7	In this lesson, students learn about what the order of operations is in math and how to simplify numerical expressions using the order of operations. Students learn two different strategies for using the order of operations.
6	Ordering Integers	MATH 6.3b	Students learn and practice how to order integers in ascending and descending order.
7	Negative Exponents for Powers of Ten	MATH 7.1a	Students review the parts of a number written in Scientific Notation as a prelude to exploring negative exponents for powers of ten. Students identify the patterns and unique trends that connect the various formats of negative and positive exponents for powers of ten.

September 24: THURSDAY - ENGLISH

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	We've Got a Problem!	ENG 4.5f	Students learn to identify the conflict and resolution in fictional text by analyzing the events in the plot and the characters' feelings.
5	Identifying Conflicts and Resolutions	ENG 5.5e	In this lesson, students identify the conflict and resolution using keywords and context clues from the text.
6	Conflicts!	ENG 6.5a	Students learn the definitions and characteristics of internal and external conflict. Students identify conflict in selected excerpts that focus on courage and determination.
7	Conflict and Resolution	ENG 7.5a	In this lesson, students identify internal and external conflicts while reading the first chapter of <i>When the World Stopped</i> , by Anne Schraff. Students make predictions about how courage and determination can help the main character resolve conflicts.

SEPTEMBER 25: FRIDAY - MATHEMATICS

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	What Are Equations?	MATH 4.16	In this lesson, students learn the meaning of equality in an equation and how to write their own.
5	Order of Operations: Part Two	MATH 5.7	Students learn about the order of operations in math. Students learn how to simplify numerical expressions using the order of operations.
6	Identify and Describe Absolute Value of Integers	MATH 6.3c	Students learn that absolute value is the distance a number is away from zero on the number line.
7	Negative Exponents for Powers of Ten	MATH 7.1a	Students practice identifying the patterns and unique trends that connect the various formats of negative and positive exponents for powers of ten. Students create different ways to write negative exponents for powers of ten.

WEEK 3: SEPTEMBER 28 - OCTOBER 2, 2020**SEPTEMBER 28: MONDAY - ENGLISH**

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Author's Language Choices	ENG 4.5a	In this lesson, students investigate an author's choice of language and how it develops the plot.
5	Synonyms and Antonyms	ENG 5.4c	Students substitute unfamiliar words with synonyms and antonyms to help them decode unfamiliar words.
6	Identifying Figurative Language	ENG 6.5h	In this lesson, students identify and analyze examples of figurative language in text.
7	Figurative Language	ENG 7.4c	Students explore how figurative language gives writers a way to make their writing more emotional and visual for the reader. Students study similes, metaphors, personification, and hyperbole.

SEPTEMBER 29: TUESDAY - MATHEMATICS

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Rounding: Part One	MATH 4.1c	Students learn to round whole numbers expressed through millions to the nearest thousand, ten thousand, and hundred thousand.
5	Comprehending Word Problems Using Whole Numbers	MATH 5.4	In this lesson, students solve word problems using knowledge of groups, comparisons, and combinations.
6	Recognize and Represent Patterns with Exponents	MATH 6.4	Students learn what an exponent is and how to represent patterns using exponents in this lesson.
7	Compare Numbers Written in Scientific Notation	MATH 7.1b	Students write numbers in scientific notation and standard form. They also compare numbers that are written in scientific notation.

SEPTEMBER 30: WEDNESDAY - ENGLISH

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Who Is the Narrator?	ENG 4.5e	In this lesson, students look for clues in stories and poems to determine the narrator.
5	Point of View (First-Person vs Third-Person)	ENG 5.5g	Students learn how to determine the difference between the first-person and third-person point of view.
6	First or Third Person Point of View?	ENG 6.5d	Students learn the difference between first and third-person and identify signal words in a scenario in order to determine if it's told in first-person or third-person.
7	Exploring Point of View	ENG 7.5d	Students explore the difference between first and third-person point of view. Students also explore how omniscient and limited point of view change the development of a story.

OCTOBER 1: THURSDAY - MATHEMATICS

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Rounding: Part Two	MATH 4.1c	In this lesson, students learn to round whole numbers expressed through millions to the nearest thousand, ten thousand, and hundred thousand and to answer rounding questions.
5	Properties of Addition and Multiplication to Understand Single-Step Word Problems of Whole Numbers	MATH 5.4	Students use the properties of addition and multiplication to understand single-step word problems of whole numbers and how numbers work in relation to one another.
6	Recognize and Represent Patterns with Perfect Squares	MATH 6.4	In this lesson, students learn what a perfect square is and practice representing perfect squares using patterns.
7	Order and Compare Numbers Written in Scientific Notation	MATH 7.1b	Students order and compare numbers written in scientific notation in this lesson.

OCTOBER 2: FRIDAY - ENGLISH

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	What's My Subject	ENG 4.8a	In this lesson, students learn how to build sentences in which the subject and verb agree.
5	Where Does the Comma Go?	ENG 5.8f	Students learn when to use commas in a sentence. Students learn to use commas to indicate interrupters, time order, series, and direct address.
6	Correct Spelling of Frequently Used Words	ENG 6.8g	In this lesson, students learn a few hints on how to correctly spell words that are used often in their writing.
7	Writing a Thesis Statement and Structuring the Essay	ENG 7.7d, e	Students learn about writing effective thesis statements. Students also examine ways to organize the supporting details based on the purpose and audience.

WEEK 4: OCTOBER 5 - 9, 2020

OCTOBER 5: MONDAY - MATHEMATICS

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Fractions Are Divisions!	MATH 4.2c	In this lesson, students review the parts of a fraction, mixed numbers, and the relationship between the numerator and the denominator. Students rewrite fractions as division problems.
5	Estimate and Solve Multistep Word Problems of Whole Numbers	MATH 5.4	Students use strategies to estimate and solve multistep word problems of whole numbers.
6	What Is a Percent?	MATH 6.2a	In this lesson, students determine the equivalent fraction and decimal for different percentages. Students use 100 grids to visualize what percentages look like.
7	How Do You Place Rational Numbers in Ascending Order?	MATH 7.1c	Students compare rational numbers expressed in various forms (fractions, decimals, percents, mixed numbers, exponents, square roots, and more) and place them in ascending order.

OCTOBER 6: TUESDAY - ENGLISH

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	What Was the Reason?	ENG 4.6f	In this lesson, students learn that authors organize texts in ways that make it easier for the reader to understand. Students distinguish between cause and effect and explore text structure.
5	Transitional Words for Cause and Effect	ENG 5.6h	Students learn how to identify transitional words to recognize cause and effect texts and use a thinking map to determine the relationship between cause and effect events.
6	Identify How Transitional Words Signal Author's Organization	ENG 6.5j	In this lesson, students recognize which organizational pattern is used based on the signal words.
7	Transition Words in Nonfiction Writing	ENG 7.6b	Students learn how transition words help authors organize their writing in nonfiction text.

OCTOBER 7: WEDNESDAY - MATHEMATICS

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Equivalent Fractions	MATH 4.2b	In this lesson, students identify the relationship between equivalent fractions and the meaning of a fraction's simplest form.
5	Rounding Decimals: Part One	MATH 5.1	Students review the base ten number system, place value, and rounding whole numbers. Students also learn how to round decimals to the nearest whole number, tenth, and hundredth.
6	Equivalent Fractions, Decimals, and Percentages	MATH 6.2a	In this lesson, students convert between fraction, decimal, and percent to determine equivalences. Students work with images and word problems to find the rational numbers represented.
7	How Do You Place Rational Numbers in Descending Order?	MATH 7.1c	Students compare rational numbers expressed in various forms (fractions, decimals, percents, mixed numbers, exponents, square roots, and more) and place them in descending order.

OCTOBER 8: THURSDAY - ENGLISH

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Cause and Effect Relationships	ENG 4.5j	In this lesson, students learn about cause and effect relationships. Using a story or text, students determine events that caused other events to occur.
5	Different Types of Text Structures	ENG 5.6e	Students learn four different types of text structures and different charts or organization techniques to display information from the text.
6	Let's Organize with Cause and Effect	ENG 6.6f	In this lesson, students define cause and effect and identify examples of this organizational pattern.
7	Recognizing Cause and Effect	ENG 7.5j	Students review how cause and effect are used in writing. Students identify patterns of cause and effect in an example.

OCTOBER 9: FRIDAY - MATHEMATICS

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Comparing Fractions	MATH 4.2a	Students compare the value of two fractions and what it means to find a common denominator. Students use visual models to demonstrate value when comparing fractions.
5	Rounding Decimals: Part Two	MATH 5.1	This lesson is part two of rounding decimals. Students round to the nearest whole number, tenth, and hundredth.
6	Compare and Order Positive Rational Numbers	MATH 6.2b	Students compare and order positive rational numbers in ascending and descending order using a number line as a reference.
7	A Mixed Review of Comparing and Ordering Rational Numbers in Ascending and Descending Order	MATH 7.1c	In this lesson, students compare rational numbers expressed in various forms (fractions, decimals, percents, mixed numbers, exponents, square roots, and more) and place them in ascending and descending order.

WEEK 5: OCTOBER 12 - 16, 2020**OCTOBER 12: MONDAY - ENGLISH**

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Compare and Contrast	ENG 4.5i	In this lesson, students compare and contrast paired texts.
5	Signal Words in Text Structures	ENG 5.6	Students learn common signal words that can help them identify the text structure used.
6	Compare and Contrast	ENG 6.6f	In this lesson, students learn about comparison and contrast using concrete examples from a short story and a diary entry about movies.
7	Writing that Compares and Contrasts	ENG 7.7c, d	Students learn various strategies for using the compare/contrast structure in their writing.

OCTOBER 13: TUESDAY - MATHEMATICS

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Ordering Fractions	MATH 4.2a	In this lesson, students learn how to order up to four fractions using visual models and number lines to demonstrate value when comparing fractions. Students also work with improper fractions and mixed numbers.
5	Multiplication of Decimals	MATH 5.5a	Students estimate and determine the product of decimals using a variety of models and strategies in this lesson.
6	Multiplying Fractions and Mixed Numbers	MATH 6.5a	In this lesson, students learn how to solve and model multiplying fractions and mixed numbers.
7	Evaluating Algebraic Expressions with Replacements: Part One	MATH 7.11	Students evaluate algebraic expressions with given replacements using the order of operations.

OCTOBER 14: WEDNESDAY - ENGLISH

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Definition Detectives!	ENG 4.4c	In this lesson, students use reference materials (i.e., dictionary, glossary, thesaurus, etc.) to understand the meaning of words they do not know.
5	Main Idea and Summary	ENG 5.5g	Students learn how to identify the main idea and supporting details from a paragraph. Using the main idea, students can write a short summary of what they read.
6	Subject-Verb Agreement	ENG 6.8a	Students determine what the subject of a sentence is and if the verb should be singular or plural in this lesson.
7	Connotation and Denotation	ENG 7.4b, d	In this lesson, students learn about connotation and denotation. Students also explore how authors use word choice to add meaning to their stories.

OCTOBER 15: THURSDAY - MATHEMATICS

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Estimating and Determining the Sum	MATH 4.4b	In this lesson, students learn to estimate the sum of two whole numbers, each 999,999 or less. Students also determine whether an estimate or an exact answer is an appropriate solution for practical addition problems involving single-step and multistep problems.
5	Division of Decimals	MATH 5.5a	Students estimate and determine the quotient of decimals using a variety of models and strategies.
6	Dividing Fractions and Mixed Numbers	MATH 6.5a	In this lesson, students divide fractions and mixed numbers using the Keep, Change, Flip method (KCF).
7	Evaluating Expressions with Given Replacements: Part Two	MATH 7.11	Students evaluate expressions with replacements using the order of operations in this lesson.

OCTOBER 16: FRIDAY - ENGLISH

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Determining Importance	ENG 4.9c	Students determine if the information is relevant to a topic in order to support their understanding or interest.
5	How to Avoid Plagiarism	ENG 5.9e	In this lesson, students learn how to paraphrase and use direct quotes of sources while also learning how to give credit to sources and other author's works.
6	Is it Valid?	ENG 6.9c	The validity and credibility of sources are evaluated based on user questions. In this lesson, various sources are explored to see if the text is full of facts or opinions.
7	Synthesizing Information and Avoiding Plagiarism	ENG 7.9c, d, e	Students review how to document sources. Students also see examples of how to synthesize information to avoid plagiarism.

WEEK 6: OCTOBER 19 - 23, 2020**OCTOBER 19: MONDAY - MATHEMATICS**

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Estimating and Determining the Difference	MATH 4.4b	In this lesson, students learn to estimate the difference of two whole numbers, each 999,999 or less. Students also determine whether an estimate or an exact answer is an appropriate solution for practical difference problems involving single-step and multistep problems.
5	Decimal Practical Problems: Part One	MATH 5.5b	This lesson is part one and introduces the concept of decimal practical problems. Students learn about single-step decimal practical problems including addition, subtraction, and multiplication.
6	Multiplying and Dividing Fractions and Mixed Numbers (Combined)	MATH 6.5a	This lesson combines multiplication and division of fractions and mixed numbers. The steps for multiplying and dividing are reviewed with a large emphasis on mixed number problems.
7	Solve Word (Practical) Problems Involving Operations with Rational Numbers	MATH 7.2	This lesson explains how to add and subtract rational numbers in the same word problem. Rational numbers include integers, proper and improper fractions, decimals, percent, and mixed numbers.

OCTOBER 20: TUESDAY - ENGLISH

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Finding Main Idea and Details	ENG 4.6c	Students read nonfiction text and then learn how to determine the main ideas and supporting details in this lesson.
5	Word Consciousness	ENG 5.4e	In this lesson, students learn how to use a dictionary, thesaurus, glossary, and how to use root words to determine a word's meaning.
6	Summarize a Text without Personal Opinion	ENG 6.6c	Students summarize a text using only the facts that are given.
7	Main Idea and Summary	ENG 7.6h	In this lesson, students determine the difference between main idea and summary.

OCTOBER 21: WEDNESDAY - MATHEMATICS

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Solving Single-Step Practical Problems with Quotients and Remainder: Part One	MATH 4.4	In this lesson, students solve single-step practical problems involving division with whole numbers. Students also learn two types of practical problems in which they interpret the quotient and remainder based on the context.
5	Decimal Practical Problems: Part Two	MATH 5.5b	This lesson is part two of decimal practical problems and focuses on single-step decimal practical problems. Students learn strategies for solving practical problems and see an example of a single-step decimal division practical problem.
6	Single-Step Word Problems with Fractions	MATH 6.5b	In the lesson, students review keywords to look for in word problems, and how to solve practical problems with fractions.
7	Solve Word (Practical) Problems Involving Operations with Rational Numbers	MATH 7.2	Students learn how to multiply and divide rational numbers in the same word problem.

OCTOBER 22: THURSDAY - ENGLISH

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Clue Hunters!	ENG 4.4a	In this lesson, students learn how to use context clues to understand the meaning of unfamiliar words.
5	Context Clues	ENG 5.4a	In this lesson, students learn how to use definition context clues, synonym context clues, antonym context clues, and example context clues to help them decode unfamiliar terminology in sentences.
6	What Does That Mean?	ENG 6.4c	Through context clues, the reader determines the meanings of unknown words and multiple-meaning words. Unfamiliar words in text are identified through examples, restatement, and contrast.
7	Reading Narrative Poetry with a Focus on Vocabulary Development	ENG 7.5g	In this lesson, students read narrative poetry and examine several strategies to develop vocabulary within a context.

OCTOBER 23: FRIDAY - MATHEMATICS

	SESSION TITLE	STANDARDS OF LEARNING (SOL)	DESCRIPTION
4	Solving Single-Step Practical Problems with Quotients and Remainder: Part Two	MATH 4.4d	In this lesson, students solve single-step practical problems involving division with whole numbers. Students also learn various types of practical problems in which they must interpret the quotient and remainder based on the context.
5	Decimal Practical Problems: Part Three	MATH 5.5b	This lesson is part three of decimal practical problems and provides instruction on multistep decimal practical problems involving addition, subtraction, and multiplication. Students learn strategies for how to organize and solve practical problems. Students are provided an example of how to create a multistep decimal practical problem.
6	Multistep Word Problems with Fractions	MATH 6.5b	This lesson is part two of solving practical problems with fractions. This lesson focuses on solving multistep word problems with fractions.
7	Solve Word (Practical) Problems Involving Operations with Rational Numbers	MATH 7.2	Students learn how to add, subtract, multiply, and divide rational numbers in the same word problem. Rational numbers include integers, proper and improper fractions, decimals, percent, and mixed numbers.