

Grade Level 4: 2021-2022 Year Scope and Sequence												
	September	October	November	December	January	February	March	April	May	June		
<b>Writing</b>	<b>Skills of a Fourth Grade Writer</b> Students will learn about the five story elements and practice using them with the assist of roll-and-writes. Students will also start to learn about fourth grade grammar and important things to always check for in writing: capitalization, spelling, and punctuation.	<b>Boxes and Bullets: Persuasive Essay</b> Students will create a persuasive essay based on an Oregon related topic of their choosing. They will do research to find articles to support their claim and use for quotes in their essay. In addition to this, their essay will contain a creative hook in the introduction, supporting arguments based on facts, and a powerful ending paragraph with a call to action. Students will end this unit by sharing their research and opinion in a small group setting.		<b>Introduction to Writing Fiction</b> Students will review the five main story elements by creating a short story that is winter themed. This will help prepare them for the upcoming long project of realistic fiction writing that starts in January. Students will celebrate their stories with the creation of their own snow globes.	<b>The Arc of Story: Writing Realistic and Historical Fiction</b> Students will learn how to improve their writing by learning how to show what happens, not tell, create realistic and relatable characters, use quotes to show conversations between two or more characters, keep the flow going in the story, and stay in first person perspective. They will do all this through the lens of a person traveling on the Oregon Trail in the form of a personal journal. Students will then use these journals to create show box floats that they will present to their peers.			<b>Bringing History to Life</b> Students will choose a historical topic they learned about this year and research it even more in depth. Students will present the facts and information in the form of a booklet. Students will have an end of year celebration with a book signing event with themselves as the authors.				
<b>Reading</b>	<b>Skills of a Fourth Grade Reader</b> Students will learn how to be a participant in a reading group, define common genres in fiction and nonfiction books, build their reading stamina, and practice how to find the five story elements using picture books.	<b>Launching a Research Project</b> Students will learn how to look for different viewpoints, get tips for being a great debater, find main idea(s) and supporting details of an opinion, and learn how to engage with challenging passages and unfamiliar terms using tools like context clues and post-its. To wrap up this segment, students will get to show case their debating skills against a peer in class.  Reading Crew Novels: Who was Nikola Tesla, Who was Marie Curie, Who is Jane Goodall, Who was Sally Ride, Who was Stephen Hawking		<b>Growing Comprehension with Fiction</b> Students will learn how to grow ideas about main characters, how to determine themes of a book, tools to help them understand and interpret a story, and thought prompts that will help them grow as readers.  Reading Crew Novels: Wonder, Holes, Quinny & Hopper, The River.		<b>How to Research History</b> Students will learn about common non-fiction text structures (tables, graphs, images, etc.). They will also learn how to understand, use, summarize, and compare and contrast multiple online texts (articles, videos, etc.). Students will be taught how to take efficient and helpful notes to better help them understand non-fiction texts.  February: We will have a two week focus on the elements and types of poetry around the time of HEART week.  Reading Crew Novels: Captain's Dog, Island of the Blue Dolphins, Dear America: Across the Wide and Lonesome Prairie, The Oregon Trail Choose Your Own Adventure Series, In the Footsteps of Crazy Horse		<b>Promoting Deeper Thinking</b> Students will analyze parts of stories in relation to the whole, learn tips for a improving reading crew conversations (such as being a leader, taking responsibility, utilizing notes/post-its, etc.), and noticing universal themes and ideas across books and texts, both fiction and nonfiction. Finally, we will have an end of the year readers' celebration.  Reading Crew Novels: Wild Robot, Saavy, One Crazy Summer, The City of Ember, Number the Stars				
<b>Math</b>	<b>Chapter 1: Numbers to One Million</b> Students will learn how to round to six digits, compare and order numbers, and look for number patterns with 10, 100, and 1000. <b>Chapter 2: Addition and Subtraction</b> Students will learn how to use estimation to double check their answer, continue practice with regrouping, and learn the steps to read and solve multi-step word problems using addition and subtraction.	<b>Chapter 4: Multiplication</b> Students will use mental math to solve multiplication by 1 digit, how to solve multiplication by 2 digits, and how to use estimation to check multiplication answers.	<b>Chapter 5: Division</b> Students will use mental math to solve division by 1 digit, how to solve long division with up to four digits, and continue to become comfortable with word problems.	<b>Chapter 3: Multiples and Factors</b> Students will learn about prime and composite numbers, how to group for multiples, and how to use a factor tree to find factors.	<b>Chapter 6: Fractions</b> Students will learn how to create equivalent fractions, how to compare and order fractions, what an improper fraction and mixed number are, and how to go from an improper fraction to a mixed number and vice versa.	<b>Chapter 7: Adding and Subtracting Fractions</b> Students will add and subtract proper fractions, mixed numbers, and improper fractions using tools such as number lines, equivalency, and manipulatives. <b>Chapter 8: Multiplying a Fraction and a Whole Number</b> Students will multiply proper fractions with whole numbers and solve related word problems.	<b>Chapter 8: Multiplying a Fraction and a Whole Number</b> Students will multiply proper fractions with whole numbers and solve related word problems.	<b>Chapter 10: Measurement</b> Students will work with the metric system as well as the standard system to work with length, weight, capacity, and time.	<b>Chapter 11: Area and Perimeter</b> Students will work with area and perimeter of rectangles including finding the space inbetween two different sized rectangles. Students will also learn how to find the area of composite figures. <b>Chapter 12: Decimals</b> Students will learn place value with decimals up to the hundredths, how to turn a decimal into a fraction, how to turn a fraction into a decimal, compare and order decimals, and rounding with decimals.	<b>Chapter 15: Angles</b> Students will learn about different types of angles and how to measure and draw them. They will also <b>Chapter 16: Lines and Shapes</b> Students will learn the difference between perpendicular and parallel lines, what a line of symmetry is, and properties of quadrilaterals.	<b>Chapter 13: Addition and Subtraction of Decimals</b> Students will learn how to add and subtract decimals both with and without regrouping. Students will also look at decimals in terms of money. <b>Chapter 14: Multiplication and Division of Decimals</b> Students will multiply and divide decimals by whole numbers through the use of numbers and word problems.	
<b>Science</b>	<b>Scientific Method</b> Students will learn about the steps of the scientific method. They will then utilize this knowledge to set up and practice using their scientific notebook with short experiments done as a whole class.  <b>Health: Community Safety</b>	<b>Environmental Factors</b> How do the structures of terrestrial organisms function to support the survival of the organisms in that environment? <b>Soils and Weathering</b> How do soils form? <b>Landforms</b> How do erosion and deposition impact landforms? <b>Mapping</b> What do the location of fossils in rock layers tell us about past life on Earth? How do maps help us observe Earth's surface features? <b>Health: Let's My Body and Be Cool, Keep Clean</b>		<b>Ecosystems</b> How are the structures of aquatic organisms similar and different from land animals? How do organisms sense and interact with their environment? <b>Energy and Circuits</b> How does energy transfer in a complete circuit? <b>The Force of Magnetism</b> What affects magnetic force?  <b>Health: It's My Body and Be Cool, Keep Clean</b>		<b>Brine Shrimp Hatching</b> How is optimum environment related to organism and population survival? <b>Electromagnets</b> What causes electromagnetism and how can we use it to transfer energy?  <b>Health: Stay Drug Free! Build Your Assets!</b>		<b>Range of Tolerance</b> What environmental conditions result in the best growth and survival of different plants? How do the structures of plants function to support the survival of the organisms in a particular environment? <b>Energy Transfer</b> How does energy transfer between objects or systems? <b>Waves</b> What do waves have to do with energy?  <b>Health: Puzzled About Germs and Your Incredible Hearing Machine</b>			<b>Health: Exercise!</b>	
<b>Social Studies</b>	<b>HEART</b> Students will build on their knowledge of what the HEART skills mean and what that looks like as a fourth grader. <b>Community Building</b> Students will come together as a class to celebrate each other's differences and similarities through games, small groups, and sharing opportunities.	<b>Oregon's Government</b> Students will learn how Oregon became a state, about state elections, how governments work at the state level, and about the history of laws in Oregon. Students will look at newspaper clippings, watch video documentaries, research multiple perspectives, and participate in making a bill into a law.		<b>Native Americans and The Corps of Discovery Expedition</b> Students will be focusing on tribal history and interactions with the Corps of Discovery. Students will learn about the diverse people who were in the Corps of Discovery, what the Louisiana Purchase was, what the importance of the trip was, encounters with Native Americans from the viewpoint of the Corps and the viewpoint of the tribes, landmarks, and key moments of the journey.		<b>Oregon Trail</b> Students will learn about Manifest Destiny and other reasons to go on the trail, The Trail of Tears, hardships on the trail, important landmarks, and so much more. Students will explore the Oregon Trail through a multi-month long small group simulation, independent and collaborative art projects, STEAM projects, novel studies, and a variety of games.			<b>Oregon: Present and Future</b> Students will first focus in on current events and the culture of Oregon. Next, students will learn about how things have changed since Oregon first became a state in 1859. Finally, students will reflect and form ideas about what they want Oregon to look like in the future. There will be a strong emphasis on using HEART to imagine what they think can and should be done.			