5-PS1 Matter and Its Interactions 5-PS2 Motion and Stability: Forces and Interactions 5-PS3 Energy 5-LS1 From Molecules to Organisms: Structures and Processes 5-LS2 Ecosystems: Interactions, Energy, and Dynamics 5-ESS1 Earth's Place in the Universe 5-ESS2 Earth's Systems 5-ESS3 Earth and Human Activity 3-5-ETS1 Engineering Design Technology SMART Board, Elmo, iPads, YouTube, United Streaming, Encyclopedia Britannica, ReadWorks Standards Scientific Method and Matter Matter How do scientists use the scientific method to measure -Guestion 5-PS1 scientific method to measure -Information collection 3-5-ETS1 matter? -Upytothesis -1nformation collection -Scientific topic -Hands on activities/labs/ Pearson (2019) 3-5-ETS1 matter? -Experiment observations -Vocabulary quizzes Steve Tomecek								
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-Variable -Write a hypothesis that can -Unit test -Non-fiction arti	cles from							
-Data be tested ReadWorks	5 1							
-Conclusion -Carry out a guided -Exploring Scient								
experiment National Geogra	.phic							
-Identify the variable in the								
-Properties experiment								
-States -Collect and analyze data								
-Chemical reactions -Prove or disprove hypothesis -Communicate what was								
learned								
-Conduct experiments that								
involve measuring the								
properties of matter, states,								
and chemical reactions								

Science 5th grade

Standards	Essential Questions	Content	Skills	Assessment	Resources
Ecosystems 5-PS3 5-LS1 5-LS2 MS-LS2	Ecosystems How do living and non-living things interact in an ecosystem?	Ecosystems -Energy pyramid -Photosynthesis -Interdependent relationships -Chains and webs -Decomposers -Consumers -Producers -Predator and prey -Habitats -Adaptations: behavioral and structural	Ecosystems -Understand the flow of energy as it's transferred from one organism to the next -Explain the role of photosynthesis in the flow of energy -Demonstrate how living and non-living things are dependent on each other -Construct food chains and webs to show interdependent relationships -Provide examples of how living things adapt to survive	Ecosystems -Interactive notebooks -Hands on activities/labs/ experiments -Vocabulary quizzes -Unit test	Ecosystems -Elevate Science Grade 5 by Pearson (2019) -Non-fiction articles from ReadWorks -Exploring Science 5 by National Geographic -Food Chains and Webs science module by Delta Education (2011)
Earth's Systems 5-ESS2 5-ESS3	Earth's Systems How are the interactions of the four spheres constantly changing the Earth?	Earth's Systems -Spheres: geosphere, biosphere, hydrosphere, atmosphere -Human impact	Earth's Systems -Know the four spheres -Explain how each sphere interacts with other spheres to affect Earth's surface materials and processes -Explain human impact on the four spheres	Earth's Systems -Interactive notebooks -Hands on activities/labs/ experiments -Vocabulary quizzes -Unit test	Earth's Systems -Elevate Science Grade 5 by Pearson (2019) -Non-fiction articles from ReadWorks -Exploring Science 5 by National Geographic
Earth's Place in the Universe 5-PS2 5-ESS1	Earth's Place in the Universe How does the Earth, sun, stars, and moon interact?	Earth's Place in the Universe -Gravity -Orbit -Rotation -Revolution -Sun -Stars -Moon phases -Patterns -Seasons	Earth's Place in the Universe -Explain how the Earth, sun, stars, and moon interact -Understand how the Earth's location in space impacts observable patterns	Earth's Place in the Universe -Interactive notebooks -Hands on activities/labs/ experiments -Vocabulary quizzes -Unit test	Earth's Place in the Universe -Elevate Science Grade 5 by Pearson (2019) -Non-fiction articles from ReadWorks -Exploring Science 5 by National Geographic