5th Grade Science Curriculum Map

Unit Title/ Due Dates / Essential Questions	Core Content & CC Standards	Resources/Materials/ Assessm
Unit 1: Science, Engineering, and Technology (Part 1 & 2) Essential Questions: What is Science?; How does technology affect our lives?	Core Content: the nature of science NG Standards: 5-ETS1- Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.; Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.	Resources: pearsonrealize.com, quizlet.com Assessment: class discussion, quizzes, tests, experiments
Unit 2: Physical Science (Chapter 1 & 2) Essential Questions: What are the properties of matter?; What affects the motion of objects?; How can force and motion be used to solve real-world problems?	Core Content: Properties of matter, force, motion NG Standards: 5-PS1 -Develop a model to describe that matter is made of particles too small to be seen; Conduct an investigation to determine whether	Resources: pearsonrealize.com, quizlet.com Assessment: class discussion, quizzes, tests, experiments

		the mixing of two or more substances results in new substances. 5-PS2 -Support an argument that the gravitational force exerted by Earth on objects is directed down.	
	Unit 3: Life Science (Chapter 3 & 4) Essential Questions: How do living things interact with their environment?; How can we help or harm our environment?; How do plants and animals grow and change?	Core Content: ecosystems, growth, survival NG Standards: 5-LS1-Support an argument that plants get the materials they need for growth chiefly from air and water. 5-PS3-Use models to describe that energy in animals' food (used for body repair, growth, motion, and to maintain body warmth) was once energy from the sun 5-ESS3- Obtain and combine information about ways individual communities use science ideas to protect the Earth's	Resources: pearsonrealize.com, quizlet.com Assessment: class discussion, quizzes, tests, experiments

		resources and environment.	
	Unit 4: Earth Science (chapter 5-6) Essential Questions: How does water move through the water cycle?; Why is the water cycle important to us?; How do objects move in space?	Core Content: water cycle, weather, earth, space NG Standards: 5-ESS1-Support an argument that the apparent brightness of the sun and stars is due to their relative distances from the Earth; Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact. 5-ESS2- Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact. 5-ESS3- Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment.	Resources: pearsonrealize.com, quizlet.com Assessment: class discussion, quizzes, tests, experiments