**Interactive 5th Grade Science Curriculum Calendar**

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| # Days | Unit Title/ Due Dates / Essential Questions | Core Content & CC Standards | Resources/Materials/ Assessments |
| 22 Days | 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 |
| 23 Days | 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 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. | Resources: pearsonrealize.com, quizlet.com  Assessment: class discussion, quizzes, tests, experiments |
| 30 Days | 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 and environment. | Resources: pearsonrealize.com, quizlet.com  Assessment: class discussion, quizzes, tests, experiments |
| 40 Days | 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 |