

Science Syllabus

Year	2018-2019
Required Resources	Texas Fusion 6 th grade Science textbook TexQuest Databases Encyclopedia Britannica Creative Educator GPS-Based STEM Curriculum
Process Skills	Become familiar with different modes of scientific inquiry, rules of evidence, ways of formulating questions, ways of proposing explanations, and the diverse ways scientists study the natural world.



Science Syllabus

<p>Syllabus 1st Semester</p>	<p>1st Nine Weeks</p> <p>Safety/Scientific Method Demonstrate safe practices during laboratory and field investigations. Unit 1 & 13 Assessment</p> <p>Physical Properties of Matter Learn the differences between elements and compounds based on observations, description of physical properties and chemical reactions. Unit 2 Assessment</p> <p>Density Calculate density to identify an unknown substance. Unit 2A Assessment</p> <p>2nd Nine Weeks</p> <p>Student designed investigations Plan and implement comparative and descriptive investigations by making observations and asking well defined questions. Unit 13 Assessment</p> <p>Elements and Compounds Know that an element is a pure substance represented by a chemical symbol and that a compound is a pure substance represented by a chemical formula. Unit 3 & 4 Assessment</p> <p>Energy Resources Understand the origins and uses of renewable and nonrenewable energy resources. Unit 5 Assessment</p>
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<p>Syllabus 2nd Semester</p>	<p>3rd Nine Weeks</p> <p>Conservation of Energy Practice appropriate use and conservation of resources, including disposal, reuse, or recycling of materials. Unit 6 Assessment</p> <p>Force and Motion Investigate the relationship between the force and motion using a variety of means, including calculations and measurements. Unit 7 Assessment</p> <p>Earth Materials and Plate Tectonics Unit 9 & 10 Assessment</p> <p>4th Nine Weeks</p> <p>Taxonomic Groups Recognize that the broadest taxonomic classification of living organisms is divided into currently recognized domains. Unit 11 Assessment</p> <p>Ecosystems Describe biotic and abiotic parts of an ecosystem in which organisms interact and the levels of organization within an ecosystem. Unit 12 Assessment</p> <p>Solar System and Exploration Describe the physical properties, locations, and movements of the Sun, planets, moons, meteors, asteroids and comets. Unit 8 Assessment</p>
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