

Ash Grove School District Curriculum Map

6th Grade Science

Date/Timeline	Topics/Content	Resources	Activities	Assessment	Standards
August	The function of cells; single-celled and multicellular organisms; living/nonliving things	Stem Scopes Bundle 1- Cells-Anatomy of the Cells	Students will take interactive notes on the topics, work independently and cooperatively, and create an edible cell to become more familiar with the organelles and their functions	Students will complete lesson reviews, projects/abs, and the chapter test from the district-provided assessment book. In the case that the chapter test is not relevant, a test will be created for this material.	6-8.LS1.A.1 6-8.LS1.A.2
September- first 2.5-3 weeks	Organ systems and organization of living things	Stem Scopes Bundle 1- Bodies and Systems	Students will take interactive notes on the topics, work independently and cooperatively, and work in groups to research an assigned body system, which will include creating a model of the system and a Slides presentation on the system. Students will present their work to the class for a grade.	Students will complete lesson reviews, projects/abs, and the chapter test from the district-provided assessment book. In the case that the chapter test is not relevant, a test will be created for this material.	6-8.LS1.A.3 6-8.LS1.A.4

September- last week	Genetics/selective breeding Plants	Stem Scopes Bundle 3- Reproduction of Plants and Animals-Growth of Organisms-Inheritance and Genetic Variation	Students will research dog or cattle breeds, comparing and contrasting at least three different types and determining their roles based on their specific traits. Students will also research the species that these animals originated from (wild animal to domesticated animal). Students will create a Slides presentation and present their findings to the class.	Students will complete lesson reviews,projects/abs, and the chapter test from the district-provided assessment book. In the case that the chapter test is not relevant, a test will be created for this material.	LS1.B.1 LS1.B.2 LS4.B.2
October	Photosynthesis/Cellular respiration	A to Z Science	Students will dissect a pinto bean and label the parts. Students will also plant, and maintain, a pinto bean, and watch it grow into a plant. The students will watch the growth of the roots by planting the bean in a clear plastic cup. Students will observe the growth of the plant towards sunlight, and rotate the plant as needed for even growth. Students will take their plant home at	Students will complete lesson reviews,projects/abs, and the chapter test from the district-provided assessment book. In the case that the chapter test is not relevant, a test will be created for this material.	6-8.LS1.C.1

			the end of the chapter.		
November	Biomes/Ecosystems	A to Z Science	Students will take interactive notes on the topics, work independently and cooperatively, to explore the make-up of the different	Students will complete lesson reviews, projects/labs, and the chapter test from the district-provided assessment book. In the case that the chapter test is not relevant, a test will be created for this material.	6-8.LS2.A.1 6-8.LS2.A.2 6-8.LS4.C.1 6-8.LS2.B.1 6-8.LS2.C.1 6-8.LS2.C.2 6-8.ESS2.C.1 6-8.ESS3.C.2 6-8.ESS3.D.1
December	Types of Energy/Energy Transfer	Stem Scopes Bundle 2- Thermal Energy Transfer-Kinetic Energy-Energy Transfer and Temperature	Info	Students will complete lesson reviews, projects/labs, and the chapter test from the district-provided assessment book. In the case that the chapter test is not relevant, a test will be created for this material.	6-8.PS3.A.1 6-8.PS3.A.2 6-8.PS3.A.3 6-8.PS3.A.4 6-8.PS3.B.1
January	History of the earth/types of rocks and minerals/fossils	A to Z Science		Students will complete lesson reviews, projects/labs, and the chapter test from the district-provided assessment book.	LS4.A.1 ESS1.C.1

				In the case that the chapter test is not relevant, a test will be created for this material.	
February	Earth's landforms and tectonic plates	A to Z Science	Students will mimic the three type of plate movements with graham crackers and frosting. Students will also use a gizmo on explorellearning.com to manipulate the movement of plates to create mountains, volcanoes, and sea floor spreading.	Students will complete lesson reviews,projects/l abs, and the chapter test from the district-provided assessment book. In the case that the chapter test is not relevant, a test will be created for this material.	6-8.ESS2.A.1 6-8.ESS2.A.2 6-8.ESS2.B.1
March	Air masses/Weather	StemScopes Bundle 1- Influences of Weather and Climate Bundle 3- Predicting Weather Bundle 4- Human Activities and Global Climate Change	Students will go to explorellearning.com and complete a gizmo on weather maps to understand how warm and cold fronts can result in different types of precipitation. Students will also study how the movement of the earth results in climate and weather patterns.	Students will complete lesson reviews,projects/l abs, and the chapter test from the district-provided assessment book. In the case that the chapter test is not relevant, a test will be created for this material.	6-8.ESS2.C.2 6-8.ESS2.C.3 6-8.ESS3.A.1 6-8.ESS3.B.1 6-8.ESS3.C.1 6-8.ESS3.C.2 6-8.ESS3.D.1
April	Natural hazards	A to Z Science	Students will study various natural hazards, including	Students will complete lesson reviews,projects/l	6-8.ESS3.B.1; 6-8.ESS3.D.1

			volcanoes, tornadoes, tsunamis, and earthquakes and the causes of these events. Working in groups, students will create a presentation focusing on a "famous" disaster (for example, Hurricane Katrina or the explosion of Mt. Saint Helens) and present their findings to the class. Their presentation should include the event's date, loss of life, immediate aftermath, cost of recovery/rebuilding, and the likelihood of this event happening again on this scale. Students will present to the class for a grade.	abs, and the chapter test from the district-provided assessment book. In the case that the chapter test is not relevant, a test will be created for this material.	
May	The Earth and the solar system	A to Z Science	Students will work in group to research a specific part of the solar system, such as a planet or the Sun, and present their findings to the class. The students must have Slides and a physical model as part of the presentation. Students will create	Students will complete lesson reviews, projects/abs, and the chapter test from the district-provided assessment book. In the case that the chapter test is not relevant, a test will be created for this	6-8.ESS1.A.1 6-8.ESS1.A.2

			a model of the solar system using a variety of materials and will deepen their understanding of the solar system by logging into explorellearning.com to complete a gizmo of the solar system.	material.	
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