

Grades K-8	FOSS Courses/Modules	Science Concepts	EARTH AND SPACE SCIENCE Kit #10530	Nonfiction Readers
Grades 6–8	Planetary Science Course	Solar system Planet Satellite Crater Atmosphere Scale Orbit Revolution Rotation Day and night Interaction Change	Unit 6: <i>The Wonders of Our Solar System</i> and <i>Astronomers Through Time</i> Unit 7: <i>The Wonder of Outer Space</i> and <i>From Hubble to Hubble: Astronomers and Outer Space</i> Futures Channel DVD: <i>Communications Satellites; Eyes on the Universe: Looking Into Time; Eyes on the Universe: Planetary Systems; Eyes on the Universe: What's Next; Searching for Water on Mars</i>	
	Earth History Course	Erosion Deposition Sedimentation Lithification Index fossil Rock formation Landform Prehistoric environment Evidence	Unit 2: <i>The World of Rocks and Minerals</i> and <i>The First Geologists</i> Unit 4: <i>Investigating Landforms and Pioneers of Earth Science</i> Unit 5: <i>Investigating Plate Tectonics and Alfred Wegener; Uncovering Plate Tectonics</i>	
	Weather and Water Course	Heat Radiation Conduction Convection Density Pressure Condensation Water cycle Drainage basin Climate	Unit 1: <i>Investigating Storms and Weather Scientists</i> Unit 3: <i>Inside the Water Cycle and Water Scientists</i> Unit 4: <i>Investigating Landforms and Pioneers of Earth Science</i> Futures Channel DVD: <i>Space Weather; Tornado Chase; Voyage of the Ventana</i>	
Grades 5–6	Landforms Module	Contour Erosion Deposition Elevation Landform Map Model Point of view Slope Topography	Unit 4: <i>Investigating Landforms and Pioneers of Earth Science</i> Unit 5: <i>Investigating Plate Tectonics and Alfred Wegener; Uncovering Plate Tectonics</i> Unit 8: <i>Spaceship Earth</i> and <i>Rachel Carson: Nature's Guardian</i>	<u>Fluent Plus Kit (3.5-3.9)</u> <i>African Grasslands</i> <i>Chesapeake Bay Wetlands</i> <i>Death Valley Desert</i>
	Solar Energy Module	Absorb Change Energy transfer Heat sink Insulation Orientation Reflect Shadow Solar Energy Surface Area	Unit 1: <i>Investigating Storms and Weather Scientists</i> Unit 3: <i>Inside the Water Cycle and Water Scientists</i> Futures Channel DVD: <i>Space Weather</i>	<u>Fluent Plus Kit (3.5-3.9)</u> <i>Death Valley Desert</i> <i>Earth's Seasons and Cycles</i>

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Grades 3-4	Earth Materials Module	Earth material Crystal Geology Mineral Rock Property	Unit 2: <i>The World of Rocks and Minerals</i> and <i>The First Geologists</i> Unit 5: <i>Investigating Plate Tectonics</i> and <i>Alfred Wegener; Uncovering Plate Tectonics</i>	<u>Emergent Kit (1.0-1.4)</u> <i>Land</i> <u>Early Fluent Kit (2.0-2.4)</u> <i>Earthquakes</i> <u>Early Fluent Plus Kit (2.5-2.9)</u> <i>Our Earth</i>
	Water Module	Change Cycle Condensation Earth material Evaporation Liquid Solid Property Surface tension	Unit 3: <i>Inside the Water Cycle</i> and <i>Water Scientists</i> Futures Channel DVD: <i>Searching for Water on Mars</i>	<u>Emergent Kit (1.0-1.4)</u> <i>Weather</i> <i>Water</i> <u>Early Fluent Kit (2.0-2.4)</u> <i>Tornadoes and Hurricanes</i>
Grades 1-2	Pebbles, Sand, and Silt Module	Earth material Rock Mixture Particles Soil		<u>Emergent Kit (1.0-1.4)</u> <i>Land</i> <u>Early Fluent Plus (2.5-2.9)</u> <i>Our Earth</i>
	Air and Weather Module	Earth material Rock Mixture Particles Soil		<u>Emergent Kit (1.0-1.4)</u> <i>Weather</i> <u>Early Fluent Kit (2.0-2.4)</u> <i>Tornadoes and Hurricanes</i> <u>Early Fluent Plus Kit (2.5-2.9)</u> <i>In the Forest</i> <i>In the Desert</i> <i>In the Rainforest</i> <u>Fluent Plus Kit (3.5-3.9)</u> <i>Earth's Seasons and Cycles</i>
Kindergarten	Paper, Wood, and Fabric Modules	Materials Structures Change		<u>Emergent Kit (1.0-1.4)</u> <i>Land</i> <u>Early Fluent Plus (2.5-2.9)</u> <i>Our Earth</i>