

8th Grade Science

Year-At-A-Glance

<http://www.teksresourcesystem.net/module/standards/Tools/StandardDetail?LinkStandardId=109026&StandardId=109026>

1st 9 weeks	2nd 9 weeks
<p>Safety and Equipment (8.1-8.4) {1-2 weeks}</p> <p>CATEGORY 3: Earth & Space {5-6 weeks}</p> <ul style="list-style-type: none"> Gravity and motion of the solar system (6.11B SS) Components of the universe including stars, nebulae, and galaxies, including models such as the HR Diagram (8.8A RS) Electromagnetic spectrum and wavelengths (8.8C SS) Day/night and seasons (8.7A RS) Lunar cycle (8.7B RS) Ocean Tides (8.7C SS) <p>CATEGORY 1: Matter & Energy {2-3 weeks}</p> <ul style="list-style-type: none"> Atomic structure (8.5A RS) Atomic properties (8.5B RS) Review comparing metals, nonmetals, and metalloids (6.6A SS) 	<p>CATEGORY 4: Matter & Energy {5-6 weeks}</p> <ul style="list-style-type: none"> Interpret arrangement of Periodic Table to explain properties used to classify elements Review differentiating between elements and compounds (6.5C SS) Review organic compounds (7.6A SS) Chemical formulas (8.5D RS) Review physical and chemical changes (7.6B SS) Investigate chemical reactions (8.5E RS) <p>CATEGORY 2: Force, Motion, and Energy {3-4 weeks}</p> <ul style="list-style-type: none"> Review potential and kinetic energy, energy transformations and work (6.8A, 6.8C, 6.9C, and 7.7A SS) Unbalanced and balanced forces (8.6A RS) Speed, Velocity and Acceleration (6.8C and 8.6B SS)
3rd 9 weeks	4th 9 weeks
<p>CATEGORY 2: Force, Motion, and Energy {2-3 weeks}</p> <ul style="list-style-type: none"> Newton's Laws (8.6C RS) <p>CATEGORY 3: Earth {5-6 weeks}</p> <ul style="list-style-type: none"> Weathering, erosion and deposition and topographic/satellite maps (8.9C RS) Plate tectonics and boundaries (8.9A SS and 8.9B RS) Atmospheric currents, weather, role of the oceans (8.10A-C SS) 	<p>CATEGORY 4: Organisms and Environment {3-4 weeks}</p> <ul style="list-style-type: none"> Relationships in food webs, interdependence (8.11A-B RS) Environmental changes, human impact (8.11D SS) Ecological succession (7.10C SS) <p>STAAR REVIEW {2 weeks}</p> <p>8th Grade Projects and/or Introduction to Biology {2 weeks}</p> <p>FINALS WEEK {1 week}</p>

