

# 7th Grade Science Curriculum

Process skills will be integrated into every unit.

6th grade reviews will help students to be successful on the 8th grade cumulative STAAR test.

## Semester 1

## Semester 2

1st 6weeks	<p>Unit 1: Process Skills 1A, 1B, 4B Safety 2A, 2B, 2C, 2D, 2E, 3A, 4A Scientific Method Review - 6.6B Density</p> <p>Unit 2: Cells 7.12F Cell Theory and Functions for Life 7.12D Cell Organelle Structure &amp; Function</p>
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4th 6weeks	<p>Unit 7: Plants 7.5A Photosynthesis 7.7C Emergence of Seedlings &amp; Turgor Pressure 7.13A &amp; B Tropisms &amp; Homeostasis 7.12A Xylem and Plant Parts</p> <p>Unit 8: Energy 7.5C Food Chain, Food Web, &amp; Energy Pyramids 7.5B Cycling of Matter &amp; Compost Review - 6.9C Energy Transformations</p>
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2nd 6weeks	<p>Unit 3: Human Body 7.12C Levels of Organization 7.12B Body System Functions 7.12E System vs Cell Functions 7.13A &amp; B Homeostasis</p> <p>Unit 4: Digestion 7.6A Organic Compounds 7.6B Physical and Chemical Changes 7.6C Breaking Down Molecules 7.7B Energy Transformations</p> <p>Review - 6.5C Element vs Compound Review - 6.6A Periodic Table</p>
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5th 6weeks	<p>Unit 9: Biodiveristy 7.10A Biomes &amp; Microhabitats 7.10B Biodiversity &amp; Sustainability 7.10C Ecological Succession</p> <p>Unit 10: Identification, Variation, &amp; Adaptations 7.11A Dichotomous Keys 7.11B &amp; 7.12A Adaptations 7.11C Natural Selection &amp; Selective Breeding</p> <p>Review - 6.12D Characteristics of Organisms &amp; Kingdoms</p>
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3rd 6weeks	<p>Unit 5: Genetics 7.14A Heredity 7.14B Sexual vs Asexual Reproduction 7.14C Inherited Traits in Chromosomes</p> <p>Unit 6: Physics 7.7A Work vs No Work &amp; Ramps Review - 6.8A Potential vs Kinetic Energy Review - 6.8C Calculating Average Speed</p> <p>Review - 6.8D Measure &amp; Graph Changes in Motion</p>
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6th 6weeks	<p>Unit 11: Impact of Natural and Human Activity 7.8A Catastrophic Events 7.8B Weathering, Erosion, &amp; Deposition in Texas 7.8C Humans Impact on Ground &amp; Surface Water</p> <p>Unit 12: Space Travel 7.9A Characteristics that Allow Life 7.9B Accomodations for Manned Space Exploration Review - 6.11B Gravity</p>
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