

# Grade 7 Science

## Year-at-a-Glance 2020-2021

### Fall Semester 2020

1 <sup>st</sup> Grading Period (27 Days)	2 <sup>nd</sup> Grading Period (24 Days)	3 <sup>rd</sup> Grading Period (30 Days)
<p style="text-align: center;"><b>Lab Safety ( 3 Days )</b></p> <ul style="list-style-type: none"> <li>● Safety Rules</li> <li>● Safety Symbols</li> <li>● Lab Equipment</li> </ul> <p><i>TEKS 7.1A, 7.1B, 7.2B, 7.4A, 7.4B</i></p> <p style="text-align: center;"><b>Scientific Investigations ( 9 Days )</b></p> <ul style="list-style-type: none"> <li>● Scientific Method</li> <li>● Controls &amp; Variables</li> <li>● Types of Investigations</li> </ul> <p><i>TEKS 7.2A, 7.2B, 7.2C, 7.2D, 7.2E, 7.3A</i></p> <p style="text-align: center;"><b>Cells ( 15 Days )</b></p> <ul style="list-style-type: none"> <li>● Cell Theory</li> <li>● Plant &amp; Animal Cell Organelles</li> <li>● Levels of Organization</li> </ul> <p><i>TEKS 7.3D, 7.3B, 7.3C, 7.12F, 7.12D, 7.12E, 7.12C</i></p>	<p style="text-align: center;"><b>Body Systems ( 24 Days )</b></p> <ul style="list-style-type: none"> <li>● Skeletal System</li> <li>● Muscular System</li> <li>● Digestive System</li> <li>● Respiratory System</li> <li>● Circulatory System</li> <li>● Excretory System</li> <li>● Nervous System</li> <li>● Endocrine System</li> <li>● Reproductive System</li> <li>● Integumentary System</li> <li>● Homeostasis</li> <li>● Physical &amp; Chemical Changes</li> <li>● Energy Transformations</li> </ul> <p><i>TEKS 7.3B, 7.3C, 7.6A, 7.7A, 7.12B, 7.13A, 7.13B</i></p>	<p style="text-align: center;"><b>Dichotomous Keys ( 5 Days )</b></p> <ul style="list-style-type: none"> <li>● Classifying Organisms</li> <li>● Identifying Organisms</li> </ul> <p><i>TEKS 7.11A</i></p> <p style="text-align: center;"><b>Types of Reproduction ( 5 Days )</b></p> <ul style="list-style-type: none"> <li>● Asexual Reproduction</li> <li>● Sexual Reproduction</li> </ul> <p><i>TEKS 7.14B</i></p> <p style="text-align: center;"><b>Heredity &amp; Genetics ( 20 Days )</b></p> <ul style="list-style-type: none"> <li>● Inheritance of Traits</li> <li>● Punnett Squares</li> </ul> <p><i>TEKS 7.14A, 7.14C</i></p>

## Spring Semester 2021

4 <sup>th</sup> Grading Period (29 Days)	5 <sup>th</sup> Grading Period (29 Days)	6 <sup>th</sup> Grading Period (32 Days)
<p><b>Variability &amp; Survival ( 16 Days )</b></p> <ul style="list-style-type: none"> <li>● Natural Selection</li> <li>● Selective Breeding</li> <li>● Adaptations</li> </ul> <p><i>TEKS 7.11B, 7.11C, 7.12A</i></p> <p><b>Photosynthesis ( 6 Days )</b></p> <ul style="list-style-type: none"> <li>● Energy Transformations</li> <li>● Law of Conservation of Mass</li> </ul> <p><i>TEKS 7.5A</i></p> <p><b>Forces That Affect Plants ( 7 Days )</b></p> <ul style="list-style-type: none"> <li>● External Stimuli</li> <li>● Internal Stimuli</li> <li>● Tropisms</li> </ul> <p><i>TEKS 7.7B, 7.13A, 7.13B</i></p>	<p><b>Energy Flow in Ecosystem ( 10 Days )</b></p> <ul style="list-style-type: none"> <li>● Food Chains</li> <li>● Food Webs</li> <li>● Energy Pyramids</li> </ul> <p><i>TEKS 7.5B, 7.7A</i></p> <p><b>Diversity of Life ( 9 Days )</b></p> <ul style="list-style-type: none"> <li>● Biomes</li> <li>● Biodiversity &amp; Sustainability</li> <li>● Microhabitats</li> </ul> <p><i>TEKS 7.10A, 7.10B</i></p> <p><b>Watersheds ( 10 Days )</b></p> <ul style="list-style-type: none"> <li>● Water Cycle</li> <li>● Ground &amp; Surface Water</li> <li>● Human Impact</li> </ul> <p><i>TEKS 7.8C</i></p>	<p><b>Slow Changes in Ecoregions ( 10 Days )</b></p> <ul style="list-style-type: none"> <li>● Weathering</li> <li>● Erosion</li> <li>● Deposition</li> <li>● Texas Ecoregions</li> </ul> <p><i>TEKS 7.8B</i></p> <p><b>Catastrophic Events ( 7 Days )</b></p> <ul style="list-style-type: none"> <li>● Hurricanes</li> <li>● Floods</li> <li>● Tornadoes</li> </ul> <p><i>TEKS 7.8A</i></p> <p><b>Ecological Succession ( 7 Days )</b></p> <ul style="list-style-type: none"> <li>● Primary Succession</li> <li>● Secondary Succession</li> </ul> <p><i>TEKS 7.10C</i></p> <p><b>Life in our Solar System ( 8 Days )</b></p> <ul style="list-style-type: none"> <li>● Goldilocks Principle</li> <li>● Manned Space Exploration</li> </ul> <p><i>TEKS 7.9A, 7.9B</i></p>

