

**2021-2022 Science 7 Year-At-A-Glance**

Unit Title	Student Expectations
<b>1<sup>st</sup> Nine Weeks:</b> August 23 – October 15	
<b>Assessment</b>	
<b>Unit 1: Safety, Cells, &amp; Organization</b>	6.12D, 7.12F, 7.12D, 7.12C
<b>Unit 2: Heredity, Reproduction &amp; Genetics</b>	7.14A, 7.14B, 7.14C
<b>Unit 3: Human Body Systems</b> (reproductive, endocrine, nervous)	7.12B
<b>2<sup>nd</sup> Nine Weeks:</b> October 18 – December 17	
<b>Assessment - CBA Testing Window:</b> November 15 – November 19	
<b>Unit 3 con't: Human Body Systems</b> (nerv., endo., homeo. integ./skeletal, muscular, circulatory, resp., digestive/CPR)	7.12B, 7.13B, 7.13A,
<b>Unit 4: Changes in Matter</b> chem/phy changes, energy transformations	7.6A, 7.12B, 7.7A
<b>Unit 5: Human Body Systems &amp; Analogies</b> Excretory, analogies, Frog dissection	7.12B, 7.12E
<b>3<sup>rd</sup> Nine Weeks:</b> January 4 – March 11	
<b>Assessment</b>	
<b>Unit 6: Forces</b> , photosynthesis, & Flow of energy, Biodiversity	7.7B, 7.13A, 7.13B, 7.5A, 7.5B, 7.10B
<b>Unit 7: Biomes</b> , catastrophic events, succession	7.10A, 7.8A, 7.10C
<b>Unit 8: Adaptations</b> Natural selection, selective breeding	7.11B, 7.11C
<b>4<sup>th</sup> Nine Weeks:</b> March 21 – May 26	
<b>Assessment – CBA Window – May 5</b>	
<b>Unit 9:</b> Dichotomous Keys Internal structures	7.12A, 7.11A
<b>Unit 10: Weathering, Erosion, Deposition &amp; groundwater</b>	7.8 A, 7.8 B, 7.8C
<b>Unit 11: Space</b>	7.9A, 7.9B
<b>Bridge to 8<sup>th</sup> grade</b>	

Process standards should be embedded into instruction on a daily basis (7.1A, 7.1B, 7.2A, 7.2B, 7.2C, 7.2D, 7.2E, 7.3A, 7.3B, 7.3C, 7.3D, 7.4A, 7.4B)

[Click here to access State Standards for Grade 7 Science](#)

Any additional notes:

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Unit Title	Student Expectations
<b>1<sup>st</sup> Nine Weeks:</b> August 23 – October 15	
<b>Interdependence of Living Systems</b> 8.11 Organisms and environments. The student knows that interdependence occurs among living systems and the environment and that human activities can affect these systems.	8.11ABC, 7.8A
<b>Interactions of Matter and Energy</b> 7.5 Matter and energy. The student knows that interactions occur between matter and energy. <b>Relationships of Organisms and Environments.</b> 7.10 Organisms and environments. The student knows there is a relationship between organisms and the environment.	7.5B, 7.10B
<b>Physical Properties of Matter</b> 6.6 Matter and Energy. The student knows matter has physical properties that can be used for classification.	6.6AB
<b>2<sup>nd</sup> Nine Weeks:</b> October 18 – December 17 <b>Assessment - CBA Testing Window:</b> October 15-October 19	
<b>Elements and Compounds</b> 6.5 Matter and Energy. The student knows the differences between elements and compounds. <b>Properties of Atoms</b> 8.5 matter and energy. The student knows that matter is composed of atoms and has chemical and physical properties. <b>Physical and Chemical Changes.</b> 7.6 matter and energy. The student knows that matter has physical and chemical properties that can undergo physical and chemical changes.	6.5A, 7.6A, 8.5ABCDE
<b>Force, Motion, and Energy.</b> 8.6 Force, motion, and energy. The student knows that there is a relationship between force, motion, and energy. <b>Force, Motion, Potential and Kinetic Energy</b> 6.8 Force, motion, and energy. The student knows force and motion are related to potential and kinetic energy.	8.6AB, 6.8 VBD
<b>3<sup>rd</sup> Nine Weeks:</b> January 4 – March 11	
<b>Force, Motion, and Energy</b> 8.6 Force, motion, and energy. The student knows there is a relationship between force, motion, and energy.	8.6C
<b>Organization of the Solar System</b> 6.11 Earth and space. The student understands the organization of our solar system and the relationships among the various bodies that comprise it. <b>Characteristics of the Universe.</b> 8.8 Earth and space. The student knows the characteristics of the universe.	6.11B, 8.8ABCD
<b>Sun, Earth, and Moon</b> 8.7 Earth and space. The student knows the effects resulting from cyclical movements of the Sun, Earth, and Moon.	8.7ABC
<b>Impact on Earth's Systems</b> 7.8 Earth and space. The student knows that natural events and human activity can impact the Sun, Earth, and Moon. <b>Impact of Natural Events</b> 8.9 Earth and space. The student knows that natural events can impact Earth systems.	7.8C, 8.9ABC
<b>4<sup>th</sup> Nine Weeks:</b> March 21 – May 26 <b>Assessment - Interim Testing Window:</b> April 4-April 14	

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Staar Test: May 5th	
<b>Climatic Interactions 8.10</b> Earth and space. The student knows that climatic interactions exist among Earth, ocean, and weather systems	8.10ABC
<b>Flex days student choice board</b>	student choice
<b>Staar Blitz</b>	Teacher choice
<b>Bridge to Biology Project</b>	

Process standards should be embedded into instruction on a daily basis

[Click here to access state standards for grade 6 science.](#)

[Click here to access state standards for grade 7 science.](#)

[Click here to access state standards for grade 8 science.](#)

Any additional notes: