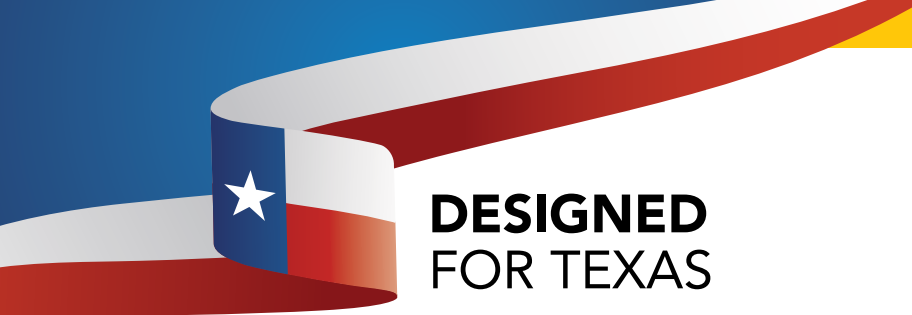




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Each topic gives you the flexibility to focus on core assets that cover the TEKS by taking the Fast Track, or to pull in additional resources to create a more robust experience when you’ve Got More Time. Here you can see average durations in periods. The periods in the Got More Time column represent the time it would take to cover both the Fast Track and Got More Time resources. You can see durations in minutes in the Topic Planners, the Experience At-A-Glance pages, and the instructional pages of this guide.

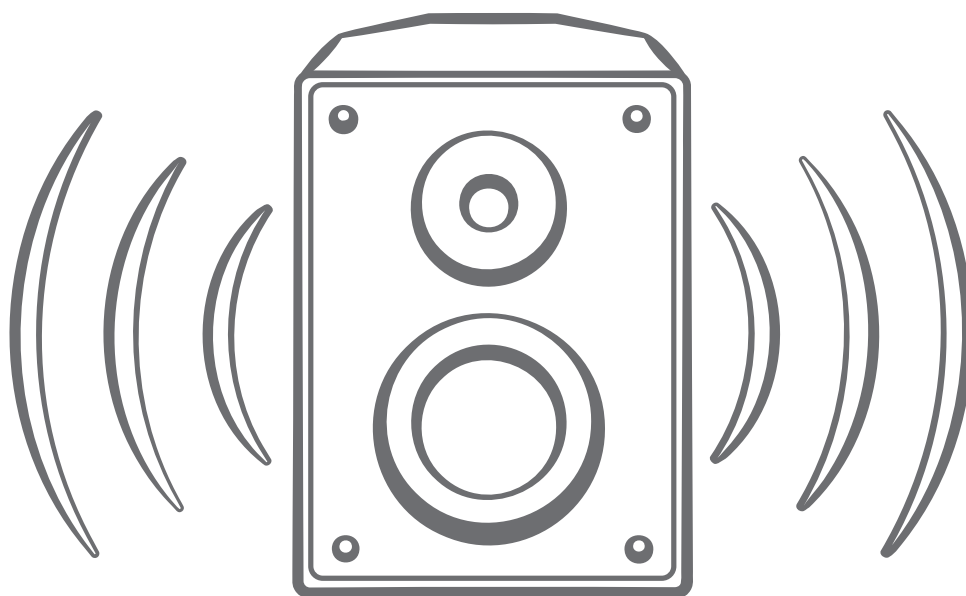
FAST TRACK Use the activities with a check mark to fast track your teaching.



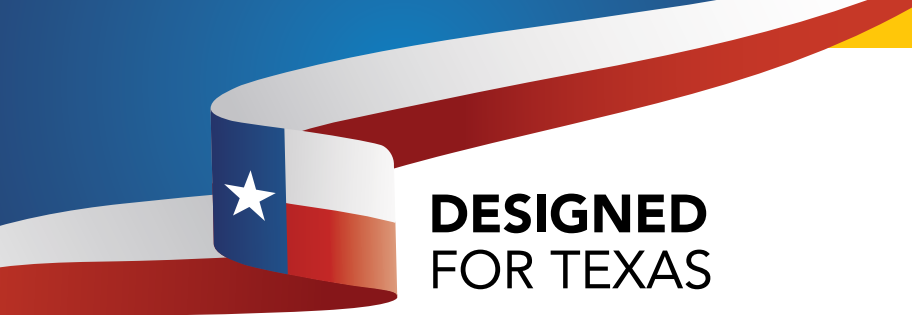
GOT MORE TIME? Use the activities with a plus sign to personalize student learning.



	TOPIC 1 Matter and Chemical Reactions	✓	+	TOPIC 2 Force, Motion, and Acceleration	✓	+
Overview	Students will describe how matter is classified, describe the properties of water, compare and contrast acids and bases, and investigate conservation of mass.			Students will use Newton’s second law of motion to calculate and analyze acceleration and the factors it depends on and describe how Newton’s three laws of motion act simultaneously within systems.		
Anchoring Phenomenon	Where did the matter come from to help this plant grow?			How can safety restraints keep you safe during a crash?		
Topic Launch		0.5	1		0.5	1
Experiences	1 Classification of Matter	3	6	1 Acceleration	3	6
	2 Properties of Water	3	6	2 Newton’s Laws of Motion	3	6
	3 Acids and Bases	3	6			
	4 Conservation of Mass	3	6			
Topic Wrap-up		1	1.5		1	1.5
TOTAL PERIODS		13.5	26.5		7.5	14.5



TOPIC 3 Waves and the Electromagnetic Spectrum			TOPIC 4 The Universe		
✓			✓		
Students will compare the characteristics of transverse waves and explain the use of electromagnetic waves in various applications.			Students will describe and classify stars, categorize types of galaxies, and research scientific evidence used to develop theories describing the origin of the universe.		
How do some cameras work in the dark?			What can an exploding star tell astronomers about the universe?		
	0.5	1		0.5	1
1 Characteristics of Waves	3	6	1 Stars	3	6
2 Electromagnetic Waves	3	6	2 Galaxies	3	6
3 Applications of Electromagnetic Waves	3	6	3 Origin of the Universe	3	6
	1	1.5		1	1.5
	10.5	20.5		10.5	20.5



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FAST TRACK Use the activities with a check mark to fast track your teaching. ✓

GOT MORE TIME? Use the activities with a plus sign to personalize student learning. +

	TOPIC 5 Weather and Climate	✓	+	TOPIC 6 Impacts on Global Climate	✓	+
Overview	Students will describe how the interactions of the sun, hydrosphere, and atmosphere influence weather and climate, identify global patterns of atmospheric movement, and describe how tropical cyclones, typhoons, and hurricanes form.			Students will use scientific evidence to describe how natural events and human activities influence climate.		
Anchoring Phenomenon	Why do more hurricanes hit Texas than Maine?			Why is this lagoon changing?		
Topic Launch		0.5	1		0.5	1
Experiences	1 Energy in Earth’s Atmosphere and Hydrosphere	3	6	1 Natural Events that Influence Climate	3	6
	2 Global Patterns of Atmospheric Movement	3	6	2 Human Activities that Influence Climate	3	6
	3 Local Weather	3	6			
	4 Tropical Cyclones, Typhoons, and Hurricanes	3	6			
Topic Wrap-up		1	1.5		1	1.5
TOTAL PERIODS		13.5	26.5		7.5	14.5



TOPIC 7 Cell Structures, Inheritance, and Survival			TOPIC 8 Ecosystems and Population Change		
✓			✓		
Students will identify the function of cell structures, including genes, and describe how variations of traits lead to adaptations.			Students will explain how disruptions impact energy transfer in ecosystems, describe how succession affects populations and species diversity, and describe how biodiversity contributes to the stability of ecosystems.		
How is a chuckwalla well-suited for survival?			How do wildfires impact an ecosystem?		
	0.5	1		0.5	1
1 Functions of Cell Structures	3	6	1 Ecosystem Disruptions and Food Webs	3	6
2 Variations, Adaptations, and Survival	3	6	2 Ecological Succession	3	6
			3 Biodiversity	3	6
	1	1.5		1	1.5
	7.5	14.5		10.5	20.5