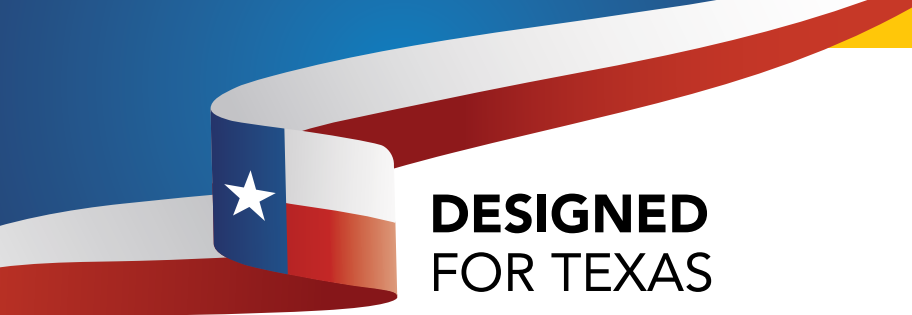




DESIGNED
FOR TEXAS

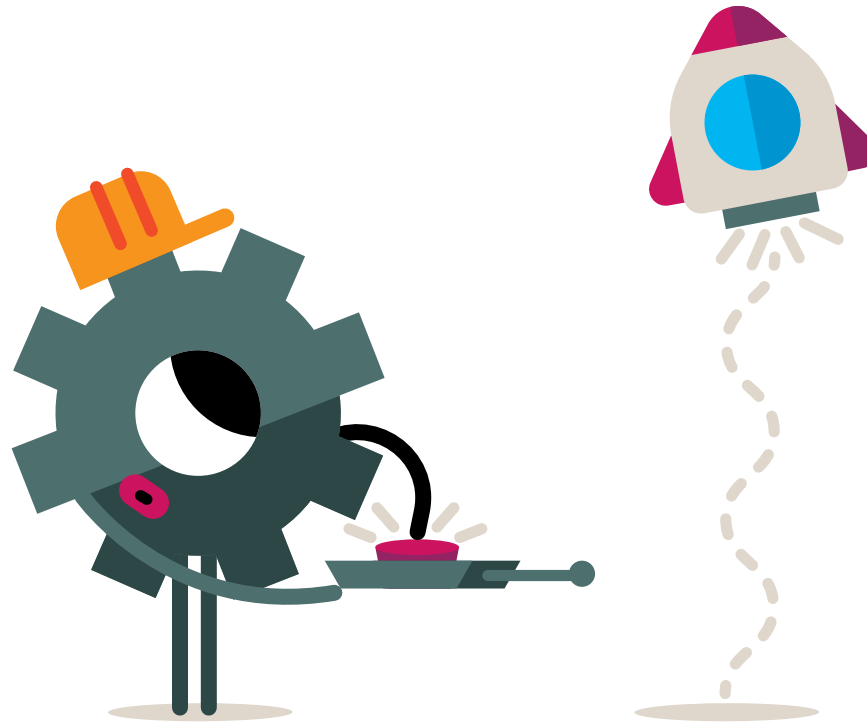
Course Planner and Pacing Guide

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 days. 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 the check mark to fast-track your teaching.

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

	TOPIC 1 Matter			TOPIC 2 Force and Motion			TOPIC 3 Energy		
		✓	+		✓	+		✓	+
Overview	Students learn about the physical properties of matter, that matter is made up of small particles, and that matter is conserved in mixtures and solutions.			Students learn that equal and unequal forces acting on an object cause patterns of motion and transfer of energy, and about the effect of force on an object in a system.			Students learn that energy can be observed in cycles, patterns, or systems by investigating energy transformations in systems, investigating electrical energy in the context of circuits, and explaining how light travels.		
Anchoring Phenomena	How is this mixture different from its parts?			How does the rocket lift off the ground?			What happens to make the shoes light up?		
Topic Launch		0.5	1		0.5	1		0.5	1
Experiences	1 Properties of Matter	3	4	1 Patterns of Motion	3	4	1 Energy Changes	3	4
	2 Solids, Liquids, and Gases	3	4	2 Forces	3	4	2 Electrical Energy and Circuits	3	4
	3 Mixtures and Solutions	3	4				3 Light	3	4
Topic Wrap-Up		0.5	1		0.5	1		0.5	1
TOTAL DAYS		10	14		7	10		10	14



TOPIC 4 Earth and Space			✓	+	TOPIC 5 Patterns on Earth			✓	+	TOPIC 6 Interactions in Ecosystems			✓	+	TOPIC 7 Organisms			✓	+
Students learn about Earth’s rotation, the day-night cycle, and how the apparent movement of the sun across the sky causes changes in shadow position and shape.					Students learn about the roles of the sun and ocean in the water cycle, how Earth’s surface changes, the processes that lead to the formation of sedimentary rock and fossil fuels, and how using natural resources impacts the environment.					Students learn about biotic and abiotic factors in a healthy ecosystem, how changes in an ecosystem can affect the cycling of matter and flow of energy in a food web, and how human activities can be beneficial or harmful to an ecosystem.					Students learn about structures and functions that allow different species to survive in the same environment and how instinctual and learned behaviors increase organisms’ chances of survival.				
How do shadows move?					How can we impact the environment in Texas?					How can animals live safely near roads in Texas?					How does crawling help baby sea turtles in Texas?				
	0.5	1		0.5	1		0.5	1		0.5	1		0.5	1		0.5	1		
1	Earth’s Rotation	3	4	1	Water Cycle and Weather	3	4	1	Organisms in Ecosystems	3	4	1	Structures and Functions	3	4				
2	Patterns and Shadows	3	4	2	Slow Changes to Earth	3	4	2	Energy in Ecosystems	3	4	2	Animal Behavior	3	4				
				3	Natural Resources	3	4	3	Human Impact on Ecosystems	3	4								
				4	Conservation	3	4												
	0.5	1		0.5	1		0.5	1		0.5	1		0.5	1		0.5	1		
	7	10		13	18		10	14		7	10								