



# CALENDAR PLANNING DOCUMENT

## Level 3

This calendar planning document is intended to help teachers map out their instructional days across the school year. This document shows the lessons from all Level 3 modules and Spotlight Lessons and includes recommendations for which lessons might need to be split over two days. The content learning cycle, as well as the associated 7E instructional phases, are broken down by lesson.

In addition, this document lists the Texas Essential Knowledge and Skills (TEKS) associated with each lesson, extension activities that can be incorporated into instructional days, and various assessment opportunities. To further assist with planning, the calendar shows module investigations and highlights lessons that require advance preparation.

## MODULE 1

### Earth Changes

Week	Day 1	Day 2	Day 3	Day 4	Day 5
1	<p><b>LESSON 1:</b> Launch through Define Land (Wonder, Organize; Engage, Explore)</p> <p><b>TEKS:</b> 3.10C</p> <p><b>ADVANCE PREP:</b> Prepare soil column for Lesson 3.</p> <p>Give students resealable plastic bag to collect land samples for Lesson 3.</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 1:</b> Explore Natural Features of Local Land through Land (Wonder, Organize; Engage, Explore)</p> <p><b>TEKS:</b> 3.10C</p> <p><b>INVESTIGATION:</b> Local land area observation</p>	<p><b>LESSON 2:</b> Launch through Develop Initial Model (Wonder, Organize, Reveal, Distill; Engage, Explore, Explain)</p> <p><b>TEKS:</b> 3.6C, 3.10C</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 2:</b> Develop Anchor Model through Land (Organize, Distill; Explore, Explain)</p> <p><b>TEKS:</b> 3.6C, 3.10C</p>	<p><b>LESSON 3:</b> Launch through Observe Local Land Samples (Wonder, Organize, Reveal; Engage, Explore)</p> <p><b>TEKS:</b> 3.6A, 3.10B</p> <p><b>INVESTIGATION:</b> Land sample observation</p>
2	<p><b>LESSON 3:</b> Compare Land Samples through Land (Distill; Explain)</p> <p><b>TEKS:</b> 3.6A, 3.10B</p> <p><b>INVESTIGATION:</b> Land sample comparison</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 4:</b> Launch through Investigate Rocks (Organize, Reveal; Explore)</p> <p><b>TEKS:</b> 3.6A, 3.10B, 3.10C</p> <p><b>INVESTIGATION:</b> Rock sample investigation</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 4:</b> Construct an Argument About Rocks through Land (Distill; Explain)</p> <p><b>TEKS:</b> 3.6A, 3.10B, 3.10C</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 5:</b> Launch through Observe Features of National Parks and Lands (Organize, Reveal; Explore)</p> <p><b>TEKS:</b> 3.10C</p> <p><b>INVESTIGATION:</b> National parks and lands features observation</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 5:</b> Describe the Shape of Land through Land (Reveal, Distill; Explore, Explain)</p> <p><b>TEKS:</b> 3.10C</p>
3	<p><b>LESSON 5:</b> Extension (Reveal; Explore)</p> <p><b>TEKS:</b> 3.10C</p> <p><b>EXTENSION:</b> Explore the landforms in the national parks and lands represented on posters. Describe and compare the shape of landforms.</p>	<p><b>LESSON 6:</b> Launch through Land (Wonder, Organize, Reveal, Distill; Engage, Explore, Explain)</p> <p><b>TEKS:</b> 3.10C</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 7:</b> Launch through Land (Organize, Know; Explore, Extend)</p> <p><b>TEKS:</b> 3.10B, 3.10C</p> <p><b>ASSESSMENT:</b> Conceptual Checkpoint</p>	<p><b>LESSON 8:</b> Launch through Investigate Water and Land Interactions (Wonder, Organize, Reveal; Engage, Explore)</p> <p><b>TEKS:</b> 3.10B, 3.10C</p> <p><b>INVESTIGATION:</b> Water and land interactions investigation</p>	<p><b>LESSON 8:</b> Analyze Data through Land (Distill; Explain)</p> <p><b>TEKS:</b> 3.10B, 3.10C</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>

Week	Day 1	Day 2	Day 3	Day 4	Day 5
4	<p><b>LESSON 9:</b> Launch through Land (Organize, Reveal, Distill; Engage, Explore, Explain)</p> <p><b>TEKS:</b> 3.6D, 3.10C, 3.11A</p> <p><b>ASSESSMENT:</b> <b>Check for Understanding</b></p>	<p><b>LESSON 10:</b> Launch through Read About the Sphinx (Wonder, Organize; Engage, Explore)</p> <p><b>TEKS:</b> 3.10C</p>	<p><b>LESSON 10:</b> Prepare for Wind Investigation through Land (Organize, Explore)</p> <p><b>TEKS:</b> 3.10C</p> <p><b>INVESTIGATION:</b> Wind investigation</p> <p><b>ASSESSMENT:</b> <b>Check for Understanding</b></p>	<p><b>LESSON 11:</b> Launch through Investigate Wind and Land Interactions (Reveal; Explore)</p> <p><b>TEKS:</b> 3.10C</p> <p><b>INVESTIGATION:</b> Wind investigation</p>	<p><b>LESSON 11:</b> Construct an Argument About Wind and Land through Land (Distill, Explain)</p> <p><b>TEKS:</b> 3.10C</p> <p><b>ASSESSMENT:</b> <b>Check for Understanding</b></p>
5	<p><b>LESSON 12:</b> Launch through Land (Organize, Reveal, Distill; Explore, Explain)</p> <p><b>TEKS:</b> 3.10C, 3.11A</p> <p><b>ASSESSMENT:</b> <b>Check for Understanding</b></p>	<p><b>LESSON 13:</b> Launch through Conceptual Checkpoint (Organize, Know; Explore, Extend)</p> <p><b>TEKS:</b> 3.10B, 3.10C</p> <p><b>ASSESSMENT:</b> <b>Conceptual Checkpoint</b></p>	<p><b>LESSON 13:</b> Debrief Conceptual Checkpoint through Land (Know; Extend)</p> <p><b>TEKS:</b> 3.10B, 3.10C</p>	<p><b>LESSON 14:</b> Launch through Land (Wonder, Organize; Engage, Explore)</p> <p><b>TEKS:</b> 3.10C, 3.11C</p> <p><b>ASSESSMENTS:</b> <b>Check for Understanding</b></p> <p><b>Engineering Challenge</b></p>	<p><b>LESSON 15:</b> Launch through Land (Organize, Reveal; Explore)</p> <p><b>TEKS:</b> 3.6D, 3.10C, 3.11A, 3.11B, 3.11C</p> <p><b>INVESTIGATION:</b> Shoreline model</p> <p><b>ASSESSMENTS:</b> <b>Check for Understanding</b></p> <p><b>Engineering Challenge</b></p>
6	<p><b>LESSON 15:</b> Extension (Reveal; Explore)</p> <p><b>TEKS:</b> 3.6D, 3.10C, 3.11A, 3.11B, 3.11C</p> <p><b>EXTENSION:</b> Students research which natural resources are used to make common materials. They label classroom objects with the natural resources they were made from.</p>	<p><b>LESSON 16:</b> Launch through Land (Reveal; Explore)</p> <p><b>TEKS:</b> 3.6D, 3.10C, 3.11A, 3.11C</p> <p><b>INVESTIGATION:</b> Shoreline model material test</p> <p><b>ASSESSMENTS:</b> <b>Check for Understanding</b></p> <p><b>Engineering Challenge</b></p>	<p><b>LESSON 17:</b> Launch through Land (Reveal; Explore)</p> <p><b>TEKS:</b> 3.6D, 3.10C</p> <p><b>ASSESSMENTS:</b> <b>Check for Understanding</b></p> <p><b>Engineering Challenge</b></p>	<p><b>LESSON 18:</b> Launch through Land (Distill; Explain)</p> <p><b>TEKS:</b> 3.6D, 3.10C, 3.11A, 3.11C</p> <p><b>ASSESSMENTS:</b> <b>Check for Understanding</b></p> <p><b>Engineering Challenge</b></p>	<p><b>LESSON 19:</b> Launch through Land (Wonder, Organize, Reveal; Engage, Explore)</p> <p><b>TEKS:</b> 3.10C</p> <p><b>ASSESSMENT:</b> <b>Check for Understanding</b></p>



Week	Day 1	Day 2	Day 3	Day 4	Day 5
7	<p><b>LESSON 20:</b> Launch through Read About Time Spans of Earth Events (Organize, Reveal; Explore)</p> <p><b>TEKS:</b> 3.10C</p>	<p><b>LESSON 20:</b> Compare Earth Events to Human Events through Land (Reveal, Distill; Explore, Explain)</p> <p><b>TEKS:</b> 3.10C</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 21:</b> Launch through Compare Time Spans of Events (Organize, Reveal; Explore)</p> <p><b>TEKS:</b> 3.10B, 3.10C</p> <p><b>INVESTIGATION:</b> Time spans of events</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 21:</b> Discuss Evidence of Change through Land (Distill; Explain)</p> <p><b>TEKS:</b> 3.10B, 3.10C</p>	<p><b>LESSON 22:</b> Launch through Conceptual Checkpoint (Organize, Know; Explore, Extend)</p> <p><b>TEKS:</b> 3.10C</p> <p><b>ASSESSMENT:</b> Conceptual Checkpoint</p>
8	<p><b>LESSON 22:</b> Debrief Conceptual Checkpoint through Land (Know, Distill; Extend, Explain)</p> <p><b>TEKS:</b> 3.10C</p>	<p><b>LESSON 23:</b> Launch through Land (Distill; Explain)</p> <p><b>TEKS:</b> 3.6D, 3.10B, 3.10C, 3.11A</p> <p><b>ASSESSMENTS:</b> Check for Understanding</p> <p>Socratic Seminar</p>	<p><b>LESSON 24:</b> Launch through Land (Know; Extend)</p> <p><b>TEKS:</b> 3.6D, 3.10B, 3.10C, 3.11A</p> <p><b>ASSESSMENTS:</b> End-of-Module Assessment</p>	<p><b>LESSON 25:</b> Launch through Land (Know; Extend)</p> <p><b>TEKS:</b> 3.6D, 3.10B, 3.10C, 3.11A</p> <p><b>ASSESSMENTS:</b> End-of-Module Assessment Debrief</p>	N/A



**SPOTLIGHT LESSONS ON CHANGES IN MATTER**

Week	Day 1	Day 2	Day 3	Day 4	Day 5
9	<p><b>LESSON 1:</b> Launch through Land</p> <p><b>TEKS:</b> 3.11B, 3.11C</p> <p><b>ASSESSMENT:</b> <b>Check for Understanding</b></p>	<p><b>LESSON 1:</b> Extension</p> <p><b>TEKS:</b> 3.11B, 3.11C</p> <p><b>EXTENSION:</b> Students research recycling in their community.</p>	<p><b>LESSON 2:</b> Launch through Land</p> <p><b>TEKS:</b> 3.6A</p> <p><b>INVESTIGATION:</b> Explore additional properties activity</p> <p><b>ADVANCE PREP:</b> Prepare clear ice cubes for Lesson 3.</p> <p><b>ASSESSMENT:</b> <b>Check for Understanding</b></p>	<p><b>LESSON 3:</b> Launch through Land</p> <p><b>TEKS:</b> 3.6A, 3.6B, 3.6C</p> <p><b>INVESTIGATION:</b> Melting investigation</p> <p><b>ASSESSMENT:</b> <b>Check for Understanding</b></p>	<p><b>LESSON 4:</b> Launch through Land</p> <p><b>TEKS:</b> 3.6A, 3.6B</p> <p><b>ASSESSMENT:</b> <b>Check for Understanding</b></p>
10	<p><b>LESSON 5:</b> Launch through Land</p> <p><b>TEKS:</b> 3.6A, 3.6B, 3.6C</p> <p><b>INVESTIGATION:</b> Evaporation investigation</p> <p><b>ASSESSMENT:</b> <b>Check for Understanding</b></p>	<p><b>LESSON 6:</b> Launch through Land</p> <p><b>TEKS:</b> 3.11B, 3.11C</p> <p><b>ASSESSMENTS:</b> <b>Check for Understanding</b></p> <p><b>Engineering Challenge</b></p>	<p><b>LESSON 7:</b> Launch through Land</p> <p><b>TEKS:</b> 3.6A, 3.11C</p> <p><b>INVESTIGATION:</b> Crayon research stations</p> <p><b>ASSESSMENTS:</b> <b>Check for Understanding</b></p> <p><b>Engineering Challenge</b></p>	<p><b>LESSON 8:</b> Launch through Land</p> <p><b>TEKS:</b> 3.6A</p> <p><b>ASSESSMENTS:</b> <b>Check for Understanding</b></p> <p><b>Engineering Challenge</b></p>	<p><b>LESSON 9:</b> Launch through Land</p> <p><b>TEKS:</b> 3.6A, 3.6B, 3.6C</p> <p><b>INVESTIGATION:</b> Crayon separation process test</p> <p><b>ASSESSMENTS:</b> <b>Check for Understanding</b></p> <p><b>Engineering Challenge</b></p>
11	<p><b>LESSON 10:</b> Launch through Land</p> <p><b>TEKS:</b> 3.6A, 3.6B, 3.6C, 3.11B, 3.11C</p> <p><b>ASSESSMENTS:</b> <b>Check for Understanding</b></p> <p><b>Engineering Challenge</b></p>	N/A	N/A	N/A	N/A



## MODULE 2

### Survival and Change

Week	Day 1	Day 2	Day 3	Day 4	Day 5
12	<p><b>LESSON 1:</b> Launch through Create a Butterfly Drawing (Wonder; Engage)</p> <p><b>TEKS:</b> 3.12C</p> <p><b>ADVANCE PREP:</b> Prepare for and order selected live animals for Lesson 12.</p>	<p><b>LESSON 1:</b> Define Organisms and Environments through Land (Wonder, Organize; Engage, Explore)</p> <p><b>TEKS:</b> 3.12C</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 2:</b> Launch through Land (Wonder, Organize; Engage, Explore)</p> <p><b>TEKS:</b> 3.12C, 3.12D</p> <p><b>INVESTIGATION:</b> Class timeline</p> <p><b>ADVANCE PREP:</b> Prepare clay fossil models for Lesson 3.</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 3:</b> Launch through Compare Fossil with Clay Fossil Model (Wonder, Organize, Reveal; Engage, Explore)</p> <p><b>TEKS:</b> 3.12D</p> <p><b>INVESTIGATION:</b> Fossil comparison</p>	<p><b>LESSON 3:</b> Make Clay Fossil Models through Land (Reveal, Distill; Explore, Explain)</p> <p><b>TEKS:</b> 3.12D</p> <p><b>INVESTIGATION:</b> Clay fossil models</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>
13	<p><b>LESSON 4:</b> Launch through Land (Wonder, Reveal; Engage, Explore)</p> <p><b>TEKS:</b> 3.12D</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 5:</b> Launch through Land (Wonder, Reveal, Distill; Engage, Explore, Explain)</p> <p><b>TEKS:</b> 3.12C, 3.12D</p> <p><b>INVESTIGATION:</b> Present-day environment observations</p> <p><b>ADVANCE PREP:</b> Build rain gauge and place outside for Lesson 6.</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 6:</b> Launch through Land (Wonder, Organize, Reveal; Engage, Explore)</p> <p><b>TEKS:</b> 3.10A</p> <p><b>INVESTIGATION:</b> Weather tools investigation</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 7:</b> Launch through Land (Wonder, Reveal, Distill; Engage, Explore, Explain)</p> <p><b>TEKS:</b> 3.10A</p> <p><b>INVESTIGATION:</b> Wind vane investigation</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 8:</b> Launch through Land (Organize, Reveal, Distill; Explore, Explain)</p> <p><b>TEKS:</b> 3.10A</p> <p><b>ADVANCE PREP:</b> Prepare radish plants for Lesson 14.</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>
14	<p><b>LESSON 9:</b> Launch through Observe Fossils (Wonder, Organize, Reveal; Engage, Explore)</p> <p><b>TEKS:</b> 3.12D, 3.13A</p>	<p><b>LESSON 9:</b> Organize Information Obtained from Fossils through Land (Reveal; Explore)</p> <p><b>TEKS:</b> 3.12D, 3.13A</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 10:</b> Launch through Land (Reveal; Explore)</p> <p><b>TEKS:</b> 3.12C</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 11:</b> Launch through Land (Reveal, Distill, Know; Explore, Explain, Extend)</p> <p><b>TEKS:</b> 3.10A, 3.12C, 3.12D</p> <p><b>ASSESSMENT:</b> Conceptual Checkpoint</p>	<p><b>LESSON 11:</b> Extension (Reveal; Explore)</p> <p><b>TEKS:</b> 3.10A, 3.12C, 3.12D</p> <p><b>EXTENSION:</b> Students research mammoths.</p>

Week	Day 1	Day 2	Day 3	Day 4	Day 5
15	<p><b>LESSON 12:</b> Launch through Land (Wonder, Reveal; Engage, Explore)</p> <p><b>TEKS:</b> 3.12B, 3.12C, 3.13A</p> <p><b>INVESTIGATION:</b> Caterpillar needs exploration</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 13:</b> Launch through Land (Wonder, Reveal, Organize, Distill; Engage, Explore, Explain)</p> <p><b>TEKS:</b> 3.12B, 3.12C</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 14:</b> Launch through Analyze Characteristics of Caterpillars and Plants (Wonder; Engage)</p> <p><b>TEKS:</b> 3.12C, 3.12D, 3.13A</p> <p><b>INVESTIGATION:</b> Caterpillars and plants observation</p>	<p><b>LESSON 14:</b> Analyze Characteristics of Other Organisms through Land (Reveal, Distill; Explore, Explain)</p> <p><b>TEKS:</b> 3.12C, 3.12D, 3.13A</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 15:</b> Launch through Read and Analyze <i>Amos &amp; Boris</i> (Reveal; Explore)</p> <p><b>TEKS:</b> 3.12C, 3.13A</p>
16	<p><b>LESSON 15:</b> Apply Understanding of Suitability through Land (Reveal; Explore)</p> <p><b>TEKS:</b> 3.12C, 3.13A</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 16:</b> Launch through Land (Reveal, Distill; Explore, Explain)</p> <p><b>TEKS:</b> 3.12C, 3.13A</p> <p><b>ADVANCE PREP:</b> Prepare radish plants for plant for Lesson 23.</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 17:</b> Launch through Land (Wonder, Reveal, Distill; Engage, Explore, Explain)</p> <p><b>TEKS:</b> 3.13A</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 18:</b> Launch through Determine How Other Animal Groups Cope with Change (Reveal; Explore)</p> <p><b>TEKS:</b> 3.12B, 3.13A</p>	<p><b>LESSON 18:</b> Conceptual Checkpoint through Land (Know; Extend)</p> <p><b>TEKS:</b> 3.12B, 3.13A</p> <p><b>ASSESSMENT:</b> Conceptual Checkpoint</p>
17	<p><b>LESSON 19:</b> Launch through Analyze Sighting Maps (Wonder, Organize, Reveal; Engage, Explore)</p> <p><b>TEKS:</b> 3.10A, 3.12A, 3.12C</p>	<p><b>LESSON 19:</b> Notice and Wonder About Migration Map through Land (Reveal; Explore)</p> <p><b>TEKS:</b> 3.10A, 3.12A, 3.12C</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 20:</b> Launch through Land (Wonder, Reveal, Distill; Engage, Explore, Explain)</p> <p><b>TEKS:</b> 3.13B</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 20:</b> Extension (Reveal; Explore)</p> <p><b>TEKS:</b> 3.13B</p> <p><b>EXTENSION:</b> Students compare the butterfly life cycle to the life cycle of another insect.</p>	<p><b>LESSON 21:</b> Launch through Land (Reveal, Distill; Explore, Explain)</p> <p><b>TEKS:</b> 3.12A, 3.12C, 3.13B</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>
18	<p><b>LESSON 22:</b> Launch through Land (Reveal, Distill; Explore, Explain)</p> <p><b>TEKS:</b> 3.12A, 3.12C</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 23:</b> Launch through Land (Organize, Reveal, Distill; Explore, Explain)</p> <p><b>TEKS:</b> 3.12A, 3.12C</p> <p><b>INVESTIGATION:</b> Plant observations</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 24:</b> Launch through Model a Change in an Environment (Check for Understanding) (Organize, Reveal; Explore)</p> <p><b>TEKS:</b> 3.12C</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 24:</b> Model a Change in an Environment (response chart) through Land (Reveal, Distill; Explore, Explain)</p> <p><b>TEKS:</b> 3.12C</p>	<p><b>LESSON 25:</b> Launch through Land (Reveal, Know; Explain, Extend)</p> <p><b>TEKS:</b> 3.12A, 3.12C</p> <p><b>ASSESSMENT:</b> Conceptual Checkpoint</p>

Week	Day 1	Day 2	Day 3	Day 4	Day 5
19	<p><b>LESSON 26:</b> Launch through Land (Organize, Know; Explore, Extend)</p> <p>TEKS: 3.12B, 3.12C, 3.13A</p> <p><b>ASSESSMENTS:</b> Check for Understanding Engineering Challenge</p>	<p><b>LESSON 27:</b> Launch through Land (Know; Extend)</p> <p>TEKS: 3.12B, 3.12C, 3.13A</p> <p><b>ASSESSMENTS:</b> Check for Understanding Engineering Challenge</p>	<p><b>LESSON 28:</b> Launch through Land (Know; Extend)</p> <p>TEKS: 3.12B, 3.12C, 3.13A</p> <p><b>ASSESSMENTS:</b> Check for Understanding Engineering Challenge</p>	<p><b>LESSON 29:</b> Launch through Land (Know; Extend)</p> <p>TEKS: 3.12B, 3.12C, 3.13A</p> <p><b>ASSESSMENTS:</b> Check for Understanding Engineering Challenge</p>	<p><b>LESSON 30:</b> Launch through Land (Distill; Explain)</p> <p>TEKS: 3.10A, 3.12A, 3.12B, 3.12C, 3.12D, 3.13A, 3.13B</p> <p><b>ASSESSMENTS:</b> Check for Understanding Socratic Seminar</p>
20	<p><b>LESSON 31:</b> Launch through Land (Know; Extend)</p> <p>TEKS: 3.10A, 3.12A, 3.12B, 3.12C, 3.12D, 3.13A, 3.13B</p> <p><b>ASSESSMENT:</b> End-of-Module Assessment</p>	<p><b>LESSON 32:</b> Launch through Land (Know; Extend)</p> <p>TEKS: 3.10A, 3.12A, 3.12B, 3.12C, 3.12D, 3.13A, 3.13B</p> <p><b>ASSESSMENT:</b> End-of-Module Assessment Debrief</p>	<p><b>Benchmark Assessment Prep:</b> Review and reteach for Benchmark Assessment.</p>	<p><b>ASSESSMENT:</b> Benchmark Assessment 1</p>	<p><b>ASSESSMENT:</b> Benchmark Assessment 1 Debrief</p>





### MODULE 3

#### Forces and Motion

Week	Day 1	Day 2	Day 3	Day 4	Day 5
21	<p><b>LESSON 1:</b> Launch through Read Moonshot: <i>The Flight of Apollo 11</i> (Floca 2019) (Wonder; Engage)</p> <p><b>TEKS:</b> 3.7A</p>	<p><b>LESSON 1:</b> Observe Motion in Space through Land (Wonder; Engage)</p> <p><b>TEKS:</b> 3.7A</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 2:</b> Launch through Land (Organize; Explore)</p> <p><b>TEKS:</b> 3.7A, 3.7B</p> <p><b>INVESTIGATION:</b> Soccer ball exploration</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 3:</b> Launch through Land (Organize; Explore)</p> <p><b>TEKS:</b> 3.7A, 3.7B</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 4:</b> Launch through Land (Wonder, Organize, Reveal; Engage, Explore)</p> <p><b>TEKS:</b> 3.7B, 3.8A</p> <p><b>INVESTIGATION:</b> Motion stations</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>
22	<p><b>LESSON 5:</b> Launch through Analyze Observations (Reveal; Explore)</p> <p><b>TEKS:</b> 3.7B, 3.8A, 3.8B</p> <p><b>INVESTIGATION:</b> Motion stations</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 5:</b> Investigate and Define Speed through Land (Reveal, Distill; Explore, Explain)</p> <p><b>TEKS:</b> 3.7B, 3.8A, 3.8B</p> <p><b>INVESTIGATION:</b> Speed investigation.</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 6:</b> Launch through Identify Patterns of Motion (Reveal; Explore)</p> <p><b>TEKS:</b> 3.7B, 3.8A</p> <p><b>INVESTIGATION:</b> Pendulum observation</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 6:</b> Classify Motion through Land (Distill; Explain)</p> <p><b>TEKS:</b> 3.7B, 3.8A</p>	<p><b>LESSON 7:</b> Launch through Land (Organize, Reveal; Explore)</p> <p><b>TEKS:</b> 3.7B, 3.8A</p> <p><b>INVESTIGATION:</b> Pendulum and toy car investigation</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>
23	<p><b>LESSON 8:</b> Launch through Land (Reveal; Explore)</p> <p><b>TEKS:</b> 3.7B, 3.8A, 3.8B</p> <p><b>INVESTIGATION:</b> Patterns of motion investigation</p> <p><b>ADVANCE PREP:</b> Coordinate a time for the class to use the gymnasium for Lesson 10.</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 9:</b> Launch through Land (Reveal, Distill, Know; Explore, Explain, Extend)</p> <p><b>TEKS:</b> 3.7B, 3.8A</p> <p><b>INVESTIGATION:</b> Pendulum investigation</p> <p><b>ASSESSMENTS:</b> Check for Understanding Conceptual Checkpoint</p>	<p><b>LESSON 10:</b> Launch through Land (Wonder, Organize, Reveal, Distill; Engage, Explore)</p> <p><b>TEKS:</b> 3.7A, 3.7B, 3.8B</p> <p><b>INVESTIGATION:</b> Scooter board stations</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 10:</b> Extension (Reveal; Explore)</p> <p><b>TEKS:</b> 3.7A, 3.7B, 3.8B</p> <p><b>EXTENSION:</b> Students work in groups to build marble tracks and describe changes in motion.</p>	<p><b>LESSON 11:</b> Launch through Explore Atwood Machines (Wonder, Organize, Reveal; Engage, Explore)</p> <p><b>TEKS:</b> 3.7A, 3.7B, 3.8B</p> <p><b>INVESTIGATION:</b> Atwood machines</p>

Week	Day 1	Day 2	Day 3	Day 4	Day 5
24	<p><b>LESSON 11:</b> Develop Force Models through Land (Reveal, Distill; Explore, Explain)</p> <p><b>TEKS:</b> 3.7A, 3.7B, 3.8B</p> <p><b>INVESTIGATION:</b> Block speed demonstration</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 12:</b> Launch through Land (Organize, Reveal, Distill; Explore, Explain)</p> <p><b>TEKS:</b> 3.7A, 3.7B</p> <p><b>EXTENSION:</b> Students use interactive Atwood machine on The Physics Classroom web page.</p> <p><b>INVESTIGATION:</b> Forces in two directions exploration</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 13:</b> Launch through Explore Gravity (Organize; Explore)</p> <p><b>TEKS:</b> 3.7A, 3.7B</p>	<p><b>LESSON 13:</b> Explore Forces on Classroom Objects through Land (Reveal, Distill: Explore, Explain)</p> <p><b>TEKS:</b> 3.7A, 3.7B</p> <p><b>INVESTIGATION:</b> Forces exploration</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 13:</b> Extension (Reveal; Explore)</p> <p><b>TEKS:</b> 3.7A, 3.7B</p> <p><b>EXTENSION:</b> Students create a balloon rocket to model Apollo 11 launch.</p>
25	<p><b>LESSON 14:</b> Launch through Describe Forces as Balanced and Unbalanced (Organize, Reveal; Explore)</p> <p><b>TEKS:</b> 3.7A, 3.7B</p>	<p><b>LESSON 14:</b> Evaluate a Claim through Land (Reveal, Distill; Explore, Explain)</p> <p><b>TEKS:</b> 3.7A, 3.7B</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 15:</b> Launch through Develop an Investigation Plan (Organize; Explore)</p> <p><b>TEKS:</b> 3.7A, 3.7B</p>	<p><b>LESSON 15:</b> Conduct an Investigation through Land (Reveal; Explore)</p> <p><b>TEKS:</b> 3.7A, 3.7B</p> <p><b>INVESTIGATION:</b> Materials test</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 16:</b> Launch through Land (Reveal, Distill; Explore, Explain)</p> <p><b>TEKS:</b> 3.7A, 3.7B</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>
26	<p><b>LESSON 17:</b> Launch through Land (Wonder, Organize, Reveal; Engage, Explore)</p> <p><b>TEKS:</b> 3.7A, 3.7B</p> <p><b>INVESTIGATION:</b> Atwood machine exploration</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 18:</b> Launch through Land (Reveal, Distill; Explore, Explain)</p> <p><b>TEKS:</b> 3.7A, 3.7B, 3.8B</p> <p><b>ASSESSMENT:</b> Conceptual Checkpoint</p>	<p><b>LESSON 19:</b> Launch through Land (Wonder, Organize, Reveal; Engage, Explore)</p> <p><b>TEKS:</b> 3.6A, 3.7A, 3.7B</p> <p><b>INVESTIGATION:</b> Magnet stations</p> <p><b>ADVANCE PREP:</b> Prepare material for research for Lesson 23.</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 20:</b> Launch through Land (Reveal, Distill; Explore, Explain)</p> <p><b>TEKS:</b> 3.6A, 3.7A, 3.7B</p> <p><b>INVESTIGATION:</b> Bending water demonstration</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 21:</b> Launch through Land (Wonder, Reveal, Distill, Know; Engage, Explore, Explain, Extend)</p> <p><b>TEKS:</b> 3.6A, 3.7A, 3.7B</p> <p><b>INVESTIGATION:</b> Soda can, balloon, and wool cloth investigation</p> <p><b>ASSESSMENT:</b> Conceptual Checkpoint</p>

Week	Day 1	Day 2	Day 3	Day 4	Day 5
27	<p><b>LESSON 22:</b> Launch through Land (Organize, Reveal; Explore)</p> <p><b>TEKS:</b> 3.6A, 3.7A</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 23:</b> Launch through Land (Organize, Know; Explore, Extend)</p> <p><b>TEKS:</b> 3.6A, 3.7A</p> <p><b>ASSESSMENTS:</b> Check for Understanding Engineering Challenge</p>	<p><b>LESSON 24:</b> Launch through Land (Know; Extend)</p> <p><b>TEKS:</b> 3.6A, 3.7A</p> <p><b>ASSESSMENTS:</b> Check for Understanding Engineering Challenge</p>	<p><b>LESSON 25:</b> Launch through Land (Know; Extend)</p> <p><b>TEKS:</b> 3.6A, 3.7A</p> <p><b>ASSESSMENTS:</b> Check for Understanding Engineering Challenge</p>	<p><b>LESSON 26:</b> Launch through Land (Know; Extend)</p> <p><b>TEKS:</b> 3.6A, 3.7A</p> <p><b>ASSESSMENTS:</b> Check for Understanding Engineering Challenge</p>
28	<p><b>LESSON 27:</b> Launch through Land (Know; Extend)</p> <p><b>TEKS:</b> 3.6A, 3.7A</p> <p><b>ASSESSMENTS:</b> Check for Understanding Engineering Challenge</p>	<p><b>LESSON 28:</b> Launch through Land (Distill; Explain)</p> <p><b>TEKS:</b> 3.6A, 3.7A, 3.7B, 3.8A, 3.8B</p> <p><b>ASSESSMENTS:</b> Check for Understanding Socratic Seminar</p>	<p><b>LESSON 29:</b> Launch through Land (Know; Extend)</p> <p><b>TEKS:</b> 3.7A, 3.7B, 3.8A, 3.8B</p> <p><b>ASSESSMENT:</b> End-of-Module Assessment</p>	<p><b>LESSON 30:</b> Launch through Land (Know; Extend)</p> <p><b>TEKS:</b> 3.7A, 3.7B, 3.8A, 3.8B</p> <p><b>ASSESSMENT:</b> End-of-Module Assessment Debrief</p>	N/A



**SPOTLIGHT LESSONS ON THE SOLAR SYSTEM**

Week	Day 1	Day 2	Day 3	Day 4	Day 5
29	<p><b>LESSON 1:</b> Launch through Land</p> <p><b>TEKS:</b> 3.8A, 3.9A</p> <p><b>ADVANCE PREP:</b> Place a thermometer outside where students will collect their data for Lesson 2.</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 2:</b> Launch through Investigate Temperature (through first Check for Understanding)</p> <p><b>TEKS:</b> 3.6A, 3.8A, 3.9A</p> <p><b>INVESTIGATION:</b> Temperature investigation</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 2:</b> Investigate Temperature (discuss results) through Land</p> <p><b>TEKS:</b> 3.6A, 3.8A, 3.9A</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 3:</b> Launch through Land</p> <p><b>TEKS:</b> 3.8A</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 3:</b> Extension</p> <p><b>TEKS:</b> 3.8A</p> <p><b>EXTENSION:</b> Students research other animals that are active during the day and night and the sounds they make.</p> <p>Students research other ways a solar eclipse can affect living things.</p>
30	<p><b>LESSON 4:</b> Launch through Compare the Sun and Alpha Centauri</p> <p><b>TEKS:</b> 3.6B, 3.9A</p>	<p><b>LESSON 4:</b> Investigate Distance and Appearance through Land</p> <p><b>TEKS:</b> 3.6B, 3.9A</p> <p><b>INVESTIGATION:</b> Distance investigation</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 5:</b> Launch through Compare Planets</p> <p><b>TEKS:</b> 3.6A, 3.6B, 3.9A, 3.9B</p> <p><b>INVESTIGATION:</b> Matter investigation</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 5:</b> Model the Solar System through Land</p> <p><b>TEKS:</b> 3.6A, 3.6B, 3.9A, 3.9B</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 6:</b> Launch through Land</p> <p><b>TEKS:</b> 3.9A</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>
31	<p><b>LESSON 7:</b> Launch through Land</p> <p><b>TEKS:</b> 3.9A</p> <p><b>INVESTIGATION:</b> Sun and moon investigation</p> <p><b>ASSESSMENT:</b> Check for Understanding</p>	<p><b>LESSON 8:</b> Launch through Land</p> <p><b>TEKS:</b> 3.6A, 3.6B, 3.8A, 3.9A, 3.9B</p> <p><b>ASSESSMENT:</b> End-of-Spotlight Assessment</p>	<p><b>LESSON 9:</b> Launch through Land</p> <p><b>TEKS:</b> 3.6A, 3.6B, 3.8A, 3.9A, 3.9B</p> <p><b>ASSESSMENT:</b> End-of-Spotlight Debrief</p>	<p><b>Benchmark Assessment Prep:</b></p> <p>Review and reteach for Benchmark Assessment.</p>	<p><b>ASSESSMENT:</b> Benchmark Assessment 2</p>
32	<p><b>ASSESSMENT:</b> Benchmark Assessment 2 Debrief</p>	N/A	N/A	N/A	N/A

