

ARGUMENT-DRIVEN  
INQUIRY™



# Texas ADI Learning Hub for Science

## 4<sup>th</sup> Grade

2024

Scope and Sequence  
180 Day Year at a Glance



Unit	Investigation	Pacing (days)	TEKS*
Properties of Matter	1. Unknown Powder Identification	5	5C, 6A
	2. Heating Water with Water	5	6A
	3. Adding Water to Other Liquids	7	2B, 6A, 6B, 6C
	4. Conservation of Matter and Volume	5	5E, 6B
	5. Flotation System for Shipping Containers (engineering design challenge)	10	2D, 3A, 3B, 5D, 5F, 6A
	<b>Unit Total:</b>	<b>32</b>	
Force, Motion, and Energy	1. Are All Magnets Conductors of Electricity?	5	6A, 6B
	2. Research Stations in the Antarctic	5	4A, 8B
	3. Winner! Winner! Hot Dinner!	5	5G, 8C
	4. Energy Transferred by Sound	5	8A
	5. Sled Up a Ramp	5	2C, 5B, 7A
	6. Billiards Break Speed	5	5E, 8A
<b>Unit Total:</b>	<b>30</b>		
Earth and Space	1. Powering Amarillo	7	4A, 11A, 11B
	2. Impact of Natural Resources	5	11B
	3. Water in the Desert	5	11C
	4. Exposed Tree Roots	5	10B
	5. Mouth of the Mississippi	5	3B, 10B
	6. Ice and Bumpy Roads	5	5G, 10B
	7. Recession of Glaciers	5	10B
	8. The Power of Wind	5	10B
	9. Storm Surge Protection (engineering design challenge)	10	3A, 3B, 4A, 5F, 8A
	10. Differences of Duration of Daylight	5	5A, 9A
	11. Moon Phases	7	2A, 3A, 5D, 9B
	12. Comparing Climates	5	3B, 3B, 3C
<b>Unit Total:</b>	<b>69</b>		
Organisms and Environments	1. Water Traveling from Roots to Leaves	7	5E, 5F, 10A
	2. Plant Growth	5	5G, 12A
	3. Matter and Energy Transfer in Arctic Ecosystems	5	5D, 12B
	4. Decomposers in the Soil	5	5C, 12B
	5. Animal Biodiversity on School Grounds	7	1B, 1C, 1F
	6. Ancient Ecosystems in West Texas	5	5G, 12C
<b>Unit Total:</b>	<b>34</b>		
Life Processes: Structures and Functions	1. Pepper Defense	5	13A
	2. Traits of Parents and Offspring	5	3A
<b>Unit Total:</b>	<b>10</b>		
General Science	Investigating STEM	5	4B
	<b>Unit Total:</b>	<b>5</b>	
<b>Course Total:</b>		<b>180</b>	

\*SEP TEKS 1A, 1B, 1C, 1D, 1E, 1F, and 1G are a focus of every investigation.