

Physical Science Proficiency Map

[Link to Standards](#)

[ACT Aspire Performance Level Descriptors](#)

[Arkansas Disciplinary Literacy Standards](#)

Need

Important

Nice

Physical Science	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10
	<p><i>Lab Safety</i></p> <p>7 Days</p> <p>Ends 8/30</p>	<p><i>Intro to Science</i></p> <p>15 Days</p> <p>Ends 9/23</p>	<p><i>Intro to Chemistry</i></p> <p>14 Days</p> <p>Ends 10/18</p>	<p><i>Atoms, Periodic Table, Bonding</i></p> <p>15 Days</p> <p>Ends 11/18</p>	<p><i>Balancing Chemical Equations</i></p> <p>15 Days</p> <p>Ends 12/20</p>	<p><i>Photosynthesis/Cellular Respiration</i></p> <p>23 Days</p> <p>Ends 2/16</p>	<p><i>Energy Through Ecosystems</i></p> <p>18 Days</p> <p>Ends 3/11</p>	<p>Plate Tectonics</p> <p>18 Days</p> <p>Ends 4/14</p>	<p>Waves</p> <p>10 Days</p>	<p>Human impacts</p> <p>15 days</p>
PS - Physical Sciences	<p>K-12 Science Standards</p> <p>Safety Precautions</p> <p>PSI-PS2-3</p> <p>Reducing Collisions</p>	<p>Science and Engineering Practice</p> <p>Asking questions and defining problems</p>	<p>Crosscutting Concepts</p> <p>Identifying patterns</p>	<p>PSI-PS1-1</p> <p>Atomic Model, Trends on the Periodic Table, Chemical Bonding</p> <p>PSI-PS1-4</p> <p>Creating Bonds</p> <p>PSI-PS1-3</p> <p>Bond Strength</p> <p>PSI-PS2-6</p> <p>Molecular Level</p>	<p>PSI-PS1-2</p> <p>Writing Chemical formulas</p> <p>PSI-PS1-7</p> <p>Law of Conservation of Mass</p>		<p>PSI-PS3-1</p> <p>Change in energy</p> <p>PSI-PS3-2</p> <p>Energy Accumulation</p> <p>PSI-PS3-3</p> <p>Converting Energy</p> <p>PSI-PS3-4</p> <p>Thermal Energy</p>	<p>PSI-PS2-5</p> <p>Crust Movement</p>	<p>PSI-PS4-1</p> <p>Wave Calculations</p> <p>PSI-PS4-2</p> <p>Storing information</p> <p>PSI-PS2-1</p> <p>Mass and acceleration</p>	
LS - Life Sciences						<p>PSI-LS1-5</p> <p>Modeling Photosynthesis</p> <p>PSI-LS1-7</p> <p>Modeling Cellular Respiration</p>	<p>PSI-LS2-4</p> <p>Energy Flow</p>			<p>PSI-LS2-7</p> <p>Human Impacts</p> <p>PSI-LS4-5</p> <p>Species</p>
ESS - Earth & Space Sciences		<p>PSI2-ETS1-2</p> <p>Solving problems</p>	<p>PSI-ESS2-7</p> <p>Earth Systems</p>					<p>PSI-ESS1-5</p> <p>Plate Tectonics</p>		<p>PSI-ESS2-1</p> <p>Ocean floor</p> <p>PSI-ESS3-1</p> <p>Natural Resources</p>

										PSI-ESS3-2 Design solutions
ETS - Engineering, Technology, and Applications of Science		PSI3-ETS1-1 Solve Global challenges							PSI5-ETS1-2	PSI4-ETS1-3 Global challenges PSI6-ETS1-1 Needs and wants PSI6-ETS1-2 Real word problems PSI6-ETS1-3 Energy Tradeoffs PSI6-ETS1-4 COMputer Simulations

Physical Science - Integrated Course Learning Progression Chart

Topic 1: Elements, Matter, and Interactions	Topic 2: Matter in Organisms	Topic 3: Forces and Motion	Topic 4: Energy	Topic 5: Waves	Topic 6: Interactions of Humans and the Environment
AR PSI-PS1-1	PSI-LS1-5	AR PSII-PS2-1	AR PSI-PS3-1	AR PSI-PS4-1	AR PSI-LS2-7
AR PSI-PS1-2	AR PSI-LS1-7	PSI-PS2-3	AR PSI-PS3-2	PSI-PS4-2	AR PSI-LS4-5
AR PSI-PS1-3	AR PSI-LS2-4	PSI-PS2-5	PSI-PS3-3	AR PSI5-ETS1-2	AR PSI-ESS2-1
PSI-PS1-4	AR PSI2-ETS1-2	PSI-PS2-6	PSI-PS3-4		AR PSI-ESS3-1
AR PSI-PS1-7		AR PSI-ESS1-5	AR PSI4-ETS1-3		AR PSI-ESS3-2
AR PSI-ESS2-7		AR PSI3-ETS1-1			AR PSI6-ETS1-1
					AR PSI6-ETS1-2
					AR PSI6-ETS1-3