

# Grade 1 Science Curriculum Map

By the end of first grade, students make observations to understand the connections between earth materials and the ability for Earth to sustain a variety of organisms. Students learn how objects can impact other objects from a distance or by contact with each other, how organisms interact with earth materials for survival, and how life systems have cycles. Student investigations focus on collecting and making sense of observational data and simple measurements using the science and engineering practices: ask questions and define problems, develop and use models, plan and carry out investigations, analyze and interpret data, use mathematics and computational thinking, construct explanations and design solutions, use evidence, and obtain, evaluate, and communicate information. While individual lessons may include connections to any of the crosscutting concepts, the standards in first grade focus on helping students understand phenomena through cause and effect and stability and change.

## Notes:

- The standards referenced in this document can be found linked [here](#).
- The standard number is designed for recording purposes and does not imply instructional sequence or importance.
- In all disciplines, educators should incorporate scientific measurement skills appropriate to that discipline.

Unit #	Unit Title	Key Content	Standards
1	Balance and Motion Sound and Light	<ul style="list-style-type: none"> <li>• Forces: equal and unequal</li> <li>• Friction: ways to increase or reduce heat from friction between two objects</li> <li>• Light, different materials and properties of objects</li> <li>• Sound, vibration, and matter</li> </ul>	1.P3U1.3 1.P4U2.4 1.P2U1.1 1.P2U1.2
2	Pebbles, Sand, and Silt	<ul style="list-style-type: none"> <li>• Properties of Earth materials</li> <li>• Natural resources used in everyday life</li> </ul>	1.E1U1.5
3	Insects and Plants	<ul style="list-style-type: none"> <li>• Life cycles of animals and plants</li> <li>• How living things use resources to grow and</li> </ul>	1.L1U1.6 1.L2U2.7 1.L2U1.8 1.L3U1.9

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		<p>survive</p> <ul style="list-style-type: none"><li>• Habitats for organisms using earth materials</li><li>• How organisms obtain resources from the environment</li><li>• How organisms obtain materials used again by other organisms</li><li>• Plants, animals and their offspring</li><li>• Classification of animals and plants into groups and subgroups</li><li>• Factors that cause species to go extinct and how humans can positively or negatively impact these factors</li></ul>	<p>1.L4U1.10 1.L4U3.11</p>
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