

# K Science Curriculum Map

By the end of Kindergarten, students learn to use their senses to help them make observations and predictions about the world around them. In this grade level, students will investigate how the senses detect light and sound, observe weather patterns and their influences on plants and animals, and differentiate between systems and structures of living and non-living things. 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 Kindergarten focus on helping students understand phenomena through the crosscutting concepts of patterns and structure and function.

**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	Sound & Light	<ul style="list-style-type: none"> <li>• Senses: Light, sound, and vibrations</li> <li>• Devices to send and receive information</li> <li>• Science tool design and evaluation (e.g. sketches, drawings or physical models)</li> </ul>	K.P2U1.1 K.P2U2.2
2	Trees & Weather	<ul style="list-style-type: none"> <li>• Temperature, precipitation, and weather data</li> <li>• Patterns or changes in local weather</li> <li>• Seasonal weather patterns</li> <li>• Impact of weather patterns on plants and animals</li> </ul>	K.E1U1.3 K.E1U1.4 K.E2U1.5

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		<ul style="list-style-type: none"><li>• Patterns of the motion of the sun, moon, and stars in the sky</li></ul>	
3	Animals Two by Two	<ul style="list-style-type: none"><li>• How organisms use different body parts for survival</li><li>• Specialized structures of plants and animals and their functions</li><li>• Differences between characteristics of living and nonliving things</li></ul>	K.L1U1.6 K.L1U1.7 K.L2U1.8

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