# Scope and Sequence for Science/Grade 1
# 2026-27

| Unit Title | Duration | Essential Question(s) | PS STEELS Standards |
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| ***Unit One:*** *Exploring Organisms* | 8/22/2026– 11/20/2026 **60 Instructional Periods** | How do organisms live, grow, respond to their environment and reproduce?<br><br>Organisms have external structures that help them survive, grow and meet their needs?<br><br>How are the characteristics of one generation passed to the next? How can individuals of the same species and even siblings have different characteristics? | 3.1.1.A Use materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs.<br>3.1.1.B Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive.<br>3.1.1.C Make observations to construct an evidence based account that young plants and animals are like, but not exactly like, their parents. |
| ***Unit Two:*** *Light and Sound Waves* | 11/23/2026 – 3/5/2027 **60 Instructional Periods** | How are waves used to transfer energy and information? | 3.2.1.A Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.<br>3.2.1.B Make observations to construct an evidence based account that objects can be seen only when illuminated.<br>3.2.1.C Plan and conduct an investigation to determine the effect of placing objects made with different materials in the path of a beam of light.<br>3.2.1.D Use tools and materials to design and build a device that uses light or sound to solve the problem of communicating over a distance. |
| ***Unit Three:*** *Sky Watchers* | 3/8/2027– 6/4/2027 **60 Instructional Periods** | What is the universe, and what is Earth's place in it? | 3.3.1.A Use observations of the sun, moon, and stars to describe patterns that can be predicted.<br>3.3.1.B Make observations at different times of year to relate the amount of daylight to the time of year. |

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