



Please note that curriculum connections match general topics covered in this program. Some curriculum connections may not be covered, since programs vary due to student questions, program length, and customized elements. Please contact us with any specific questions or ideas.

Constellation - Learning Skills and Curriculum Connections:

Grade 1 Expectations:

A1.1: use a scientific research process and associated skills to conduct investigations

A3.2: investigate how science and technology can be used with other subject areas to address real-world problems

A3.3: analyse contributions to science and technology from various communities

B2.5: describe the characteristics of a healthy environment, including clean air and water and nutritious food, and how a healthy environment enables living things to meet their needs

C2.2: demonstrate an understanding that the Sun is Earth's principal source of energy, including how it warms the air, land, and water; is a source of light for Earth; and makes it possible for plants to grow

C2.6: describe seasonal differences in how we use energy and in the forms of energy we use

D2.4: describe observable characteristics of various everyday objects, including structures, using qualitative information gathered through their senses

D2.8: identify sources in nature of some common materials that are used to make various objects, including structures

E1.1: assess the impact of daily and seasonal changes on human outdoor activities, and identify innovations that enable people to engage in various activities year-round

E1.2: assess ways in which daily and seasonal changes have an impact on society, the environment, and living things in the natural environment

E2.1: demonstrate an understanding of Earth's relationship to the Sun and that this relationship results in daily and seasonal changes on Earth

E2.2: demonstrate an understanding that a cycle is a series of repeating events, and that cycles can be observed in daily and seasonal changes

E2.3: describe the changes in the amount of light and heat from the Sun that occur throughout the day and in the four seasons

Grade 2 Expectations:

A1.1: use a scientific research process and associated skills to conduct investigations

A3.2: investigate how science and technology can be used with other subject areas to address real-world problems

A3.3: analyse contributions to science and technology from various communities

C1.2: assess the impacts of changes of state of liquids and solids on humans and on environments

C2.5: describe some ways in which liquids and solids can be combined to make useful mixtures

E2.2: identify sources of water in the natural and built environments

Grade 3 Expectations:

A1.1: use a scientific research process and associated skills to conduct investigations

A3.2: investigate how science and technology can be used with other subject areas to address real-world problems

A3.3: analyse contributions to science and technology from various communities

C1.1: assess the effects of the action of forces from natural phenomena on natural and built environments, and identify ways in which human activities can reduce or enhance these effects

C2.3: describe how different forces applied to an object, including forces of varying magnitude, can cause the object to start, stop, or change its direction, speed, or shape