

Grade 1

Adopted 2022

Earth and Space Sciences

Earth's Place in the Universe

1. Use observations of the sun, moon, and stars to describe patterns that can be predicted. [EEP.1.1](#)
2. Make observations at different times of year to relate the amount of daylight to the time of year. [EEP.1.2](#)

Life Science

From Molecules to Organisms: Structures and Processes

1. 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. [LSM.1.1](#)
2. Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive. [LSM.1.2](#)

Physical Science

Waves and Their Applications in Technologies for Information Transfer

1. Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate. [PSW.1.1](#)
2. Make observations to construct an evidence-based account that objects can be seen only when illuminated. [PSW.1.2](#)
3. Plan and conduct an investigation to determine the effect of placing objects made with different materials in the path of a beam of light. [PSW.1.3](#)
4. Use tools and materials to design and build a device that uses light or sound to solve the problem of communicating over a distance. [PSW.1.4](#)

Environmental Literacy and Sustainability

Agricultural and Environmental Systems and Resources

1. Examine how people from different cultures and communities, including one's own, interact and express their beliefs about nature. [ELA.K2.1](#)
2. Categorize ways people harvest, re-distribute, and use natural resources. [ELA.K2.2](#)

Environmental Literacy Skills

1. Explain ways that places differ in their physical characteristics, their meaning, and their value and/or importance. [ELE.K2.1](#)
2. Plan and carry out an investigation to address an issue in their local environment and community. [ELE.K2.2](#)

Technology and Engineering

Applying, Maintaining, and Assessing Technological Products and Systems

1. Analyze how things work. [TEA.K2.1](#)
 2. Identify and use everyday symbols. [TEA.K2.2](#)
 3. Describe qualities of everyday products. [TEA.K2.3](#)
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Core Concepts of Technology and Engineering

1. Illustrate how systems have parts or components that work together to accomplish a goal. [TEC.K2.1](#)
 2. Safely use tools to complete tasks. [TEC.K2.2](#)
 3. Explain that materials are selected for use because they possess desirable properties and characteristics. [TEC.K2.3](#)
 4. Develop a plan in order to complete a task. [TEC.K2.4](#)
 5. Collaborate effectively as a member of a team. [TEC.K2.5](#)
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Design in Technology and Engineering Education

1. Apply design concepts, principles, and processes through play and exploration. [TED.K2.1](#)
 2. Demonstrate that designs have requirements. [TED.K2.2](#)
 3. Explain that design is a response to wants and needs. [TED.K2.3](#)
 4. Discuss that all designs have different characteristics that can be described. [TED.K2.4](#)
 5. Illustrate that there are different solutions to a design and that none are perfect. [TED.K2.5](#)
 6. Demonstrate essential skills of the engineering design process. [TED.K2.6](#)
 7. Apply skills necessary for making in design. [TED.K2.7](#)
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History of Technology

1. Discuss how the way people live and work has changed throughout history because of technology. [TEH.K2.1](#)
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Impacts of Technology

1. Explain ways that technology helps with everyday tasks. [TEI.K2.1](#)
2. Illustrate helpful and harmful effects of technology. [TEI.K2.2](#)
3. Compare simple technologies to evaluate their impacts. [TEI.K2.3](#)
4. Select ways to reduce, reuse, and recycle resources in daily life. [TEI.K2.4](#)
5. Design new technologies that could improve their daily lives. [TEI.K2.5](#)

Influence of Society on Technological Development

1. Explain the needs and wants of individuals and societies. [TES.K2.1](#)
 2. Explore how technologies are developed to meet individual and societal needs and wants. [TES.K2.2](#)
 3. Investigate the use of technologies in the home and community. [TES.K2.3](#)
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Integration of Knowledge, Technologies, and Practices

1. Apply concepts and skills from technology and engineering activities that reinforce concepts and skills across multiple content areas. [TEK.K2.1](#)
 2. Draw connections between technology and human experiences. [TEK.K2.2](#)
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Nature and Characteristics of Technology and Engineering

1. Compare the natural world and human-made world. [TEN.K2.1](#)
2. Explain the tools and techniques that people use to help them do things. [TEN.K2.2](#)
3. Demonstrate that creating can be done by anyone. [TEN.K2.3](#)
4. Discuss the roles of scientists, engineers, technologists and others who work with technology. [TEN.K2.4](#)