

## Report: MN Benchmarks

### The Nature Of Science And Engineering

3rd Grade - EL Science

SCI.03.1.1.1.1.1	Explain how scientists work as individuals and in groups, and provide evidence to support their claims through open communication.
SCI.03.1.1.2.1.1	Generate questions that can be answered with scientific knowledge and one's own observations from investigations.
SCI.03.1.1.2.2.1	Explain that when a science investigation is done the way it was done before, even in a different place, a similar result is expected.
SCI.03.1.1.2.3.1	Create a record of observations, procedures and explanations while conducting a science investigation.
SCI.03.1.1.2.4.1	Construct reasonable explanations based on evidence collected from a science investigation.
SCI.03.1.3.2.1.1	Understand that everybody can use evidence to learn about the natural world, identify patterns in nature, and develop tools. For example: Ojibwe and Dakota knowledge and use of patterns in the stars to predict and plan.
SCI.03.1.3.2.2.1	Discuss that men and women of all ages, backgrounds and careers practice science and/or engineering.
SCI.03.1.3.3.1.1	Explain that throughout history people from all cultures use evidence to learn about the natural world, identify patterns in nature, and develop tools.
SCI.03.1.3.4.1.1	Use tools to improve observations and keep a record of the observations made. (Measurement tools are limited to metric units.)

### Physical Science

3rd Grade - EL Science

SCI.03.2.3.1.1.1	Explain and demonstrate how different factors like rate of vibration, tension, size of an object and type of material it is made of can affect the pitch of a sound.
SCI.03.2.3.1.2.1	Explain how shadows form and can change.
SCI.03.2.3.1.3.1	Explain and demonstrate how light travels until it is absorbed, redirected, reflected, or passes through an object.

### Earth Science

3rd Grade - EL Science

SCI.03.3.3.1.1.1	Describe and compare observations in the daily and seasonal changes in the position of the sun.
SCI.03.3.3.1.2.1	Describe the pattern of apparent changes in the moon's shape and position.

SCI.03.3.3.2.1.1	Demonstrate, by writing or illustrating, how objects in the solar system of varying sizes can appear big or small depending on their distances from the Earth.
SCI.03.3.3.2.2.1	Identify that the Earth is one of several planets that orbit the sun.
SCI.03.3.3.2.2.2	Explain that the moon orbits the Earth.
<b>Life Science</b> 3rd Grade - EL Science	
SCI.03.4.1.1.1.1	Compare the different structures of plants and how they serve various functions of growth, survival and reproduction.
SCI.03.4.1.1.1.2	Compare the different structures of animals and how they serve various functions of growth, survival and reproduction.
SCI.03.4.1.1.2.1	Identify common groups of plants using observable physical characteristics, structures, and behaviors.
SCI.03.4.1.1.2.2	Identify common groups of animals using observable physical characteristics, structures, and behaviors.
SCI.03.4.3.2.1.1	Identify likenesses between adults and offspring in plants that can be inherited or acquired.
SCI.03.4.3.2.1.2	Identify likenesses between adults and offspring in animals that can be inherited or acquired.
SCI.03.4.3.2.2.1	Identify differences in plants and animals that sometimes gives them an advantage in survival and reproduction.