

<u>Science Benchmarks</u>	
	Grade One
	The student will:
	Standard 1: EARTH & SPACE SCIENCE Demonstrate an understanding of the structure and systems of Earth and other bodies in the universe and their interactions.
1-1a.	Observe, record, and classify weather features, including precipitation, wind speed, cloud cover, and temperature using the senses.
1-1b.	Demonstrate the use of simple tools to estimate wind speed and measure temperature and rainfall.
1-1c.	Compare different kinds of clouds.
1-1d.	Explain that weather changes from day to day and season to season in Wisconsin.
1-1e.	Conduct experiments and draw conclusions about clothing fabrics suitable for different types of weather.
1-1f.	Discover ways that animals and plants can cause changes in their environment.
1-1g.	Know that the sun, moon, and stars have properties, locations, and movements in the sky that can be observed and described.
1-1h.	Observe that the stars are innumerable in the sky.
1-1i.	Observe that stars are located in patterns across the sky.
	Standard 2: LIFE SCIENCE Understand the characteristics and structures of living things, the processes of life, and how living things interact with each other and their environment.
1-2a.	Observe and describe characteristics of seeds and plants.
1-2b.	Compare plants and animals in woodland and fresh water environments.
1-2c.	Explain that different types of plants and animals live in different environments all over the world.
1-2d.	Explain that there is a wide diversity of living things on earth.
1-2e.	Explain that living things can be sorted into groups using properties to decide which things belong in a particular group.
1-2f.	Explain that plants have similarities such as the need for water, light, space, and air, and the capacity to grow and change.
1-2g.	Explain that animals have similarities including the need for food, water, space and shelter, and the ability to move, grow, and change.
1-2h.	Explain that plants and animals closely resemble their parents.
1-2i.	Explain that there is variation among individuals within a population.

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1-2j.	Know that humans are similar to other organisms with basic needs and the ability to grow and change.
1-2k.	Know that food energy is needed for people to live and grow.
1-2l.	Explain that food energy can come from plant and animal sources.
1-2m.	Explain that foods provide nutrients for growth.
1-2n.	Classify foods into four food groups.
1-2o.	Know that people have the power to choose healthy habits.
1-2p.	Understand that proper nutrition, exercise, dental hygiene and hand washing contribute to good health.
1-2q.	Understand that plant and animal populations change when their habitats change due to natural and human causes.
1-2r.	Know that some animals become endangered if they cannot meet their survival needs because of changes in their environment.
1-2s.	Understand that there is not enough room on Earth to continue to bury all solid waste in landfills, so people need to find new solutions for garbage.
1-2t.	Know that people can help the environment by reducing waste, reusing items, and recycling materials.
	Standard 3: PHYSICAL SCIENCE Demonstrate an understanding of the physical and chemical properties of matter, the forms and properties of energy, and how matter and energy are interrelated.
1-3a.	Explain that objects can be described and classified by their composition and physical properties.
	Standard 4: SOCIETY & TECHNOLOGY Demonstrate an understanding of scientific knowledge and technological design in society.
1-4a.	Explain that science experiments can have reproducible results.
1-4b.	Explain that learning can come from careful observations and simple experiments.
1-4c.	Describe ways that tools like thermometers, magnifiers, and rulers add to information from our senses.
1-4d.	Explain that in science it is helpful to work with a team and share findings with others.
1-4e.	Know that some objects occur in nature and other objects are made by people to solve human problems.