

OPEN WIDE AND TREK INSIDE		
Wisconsin Model Academic Standards for Science – Grade 4		
Lesson	Standard	Description
3	A.4.1	When conducting science investigations, ask and answer questions that will help decide the general areas of science being addressed.
3, 5	A.4.3	When investigating a science-related problem, decide what data can be collected to determine the most useful explanations.
2, 3, 5	A.4.5	When studying a science-related problem, decide what changes over time are occurring or have occurred.
2, 3	B.4.1	Use encyclopedias, source books, texts, computers, teachers, parents, other adults, journals, popular press, and various other sources, to help answer science-related questions and plan investigations.
2, 3, 4, 5, 6	C.4.1	Use the vocabulary of the unifying themes to ask questions about objects, organisms, and events being studied.
1, 2, 3	C.4.2	Use the science content being learned to ask questions, plan investigations, make observations, make predictions, and offer explanations.
2, 3, 4	C.4.3	Select multiple sources of information to help answer questions selected for classroom investigations.
3	C.4.4	Use simple science equipment safely and effectively, including rulers, balances, graduated cylinders, hand lenses, thermometers, and computers, to collect data relevant to questions and investigations.
1, 2, 3	C.4.5	Use data they have collected to develop explanations and answer questions generated by investigations.
1, 2, 3	C.4.6	Communicate the results of their investigations in ways their audiences will understand by using charts, graphs, drawings, written descriptions, and various other means, to display their answers.
1, 2, 3, 6	C.4.7	Support their conclusions with logical arguments.
3, 5	C.4.8	Ask additional questions that might help focus or further an investigation.
3, 5	D.4.5	Construct simple models of what is happening to materials and substances undergoing change, using simple instruments or tools to aid observations and collect data.
4	F.4.1	Discover how each organism meets its basic needs for water, nutrients, protection, and energy in order to survive.
4, 5	F.4.4	Using the science themes, develop explanations for the connections among living and non-living things in various environments.
4, 5, 6	H.4.3	Show how science has contributed to meeting personal needs, including hygiene, nutrition, exercise, safety, and health care.

Wisconsin Model Academic Standards for Mathematics – Grade 4

Lesson	Standard	Description
2, 3, 5, 6	A.4.1	Use reasoning abilities to perceive patterns, identify relationships, formulate questions for further exploration, justify strategies, and test reasonableness of results.
2, 3, 5	A.4.2	Communicate mathematical ideas in a variety of ways, including words, numbers, symbols, pictures, charts, graphs, tables, diagrams, and models.
2, 3, 5	A.4.3	Connect mathematical learning with other subjects, personal experiences, current events, and personal interests: see relationships between various kinds of problems and actual events and use mathematics as a way to understand other areas of the curriculum (e.g., measurement in science, map skills in social studies).
2, 3, 5	A.4.4	Use appropriate mathematical vocabulary, symbols, and notation with understanding based on prior conceptual work.
2	B.4.1	Represent and explain whole numbers, decimals, and fractions with physical materials, number lines and other pictorial models, and verbal description.
2	D.4.1	Recognize and describe measurable attributes, such as length, liquid capacity, time, weight (mass), temperature, volume, monetary value, and angle size, and identify the appropriate units to measure them.
3	D.4.3	Read and interpret measuring instruments (e.g., rulers, clocks, thermometers).
2, 3	E.4.1	Work with data in the context of real-world situations by formulating questions that lead to data collection and analysis, determining what data to collect and when and how to collect them, collecting, organizing, and displaying data, and drawing reasonable conclusions based on data.
2	E.4.3	In problem-solving situations, read, extract, and use information presented in graphs, tables, or charts.
2, 3, 5	E.4.4	Determine if future events are more, less, or equally likely, impossible, or certain to occur.

Wisconsin Model Academic Standards for English Language Arts – Grade 4

Lesson	Standard	Description
2, 3, 6	A.4.1	Use effective reading strategies to achieve their purposes in reading.
2, 3, 6	A.4.4	Read to acquire information.
All lessons	B.4.1	Create or produce writing to communicate with different audiences for a variety of purposes.
All lessons	C.4.1	Orally communicate information, opinions, and ideas effectively to different audiences for a variety of purposes.

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All lessons	C.4.2	Listen to and comprehend oral communications.
All lessons	C.4.3	Participate effectively in discussion.
All lessons	D.4.1	Develop their vocabulary of words, phrases, and idioms as a means of improving communication.
3	F.4.1	Conduct research and inquiry on self-selected or assigned topics, issues, or problems and use an appropriate form to communicate their findings.

Wisconsin Model Academic Standards for Health Education – Grade 4

Lesson	Standard	Description
5, 6	A.4.1	Identify positive mental, emotional, social, and physical factors the influence health.
5, 6	A.4.3	Identify ways to be healthy during childhood.
3, 5, 6	A.4.4	Explain how childhood diseases and injuries can be prevented or treated.
1, 2, 4	A.4.5	Describe the basic structure and functions of the human body systems.
5, 6	B.4.1	Identify responsible health behaviors.
5, 6	B.4.2	Identify personal health needs.
5, 6	B.4.3	Compare the relative risk of various behaviors.
5, 6	B.4.4	Demonstrate strategies to improve or maintain personal health.
5, 6	C.4.1	Demonstrate the ability to apply a decision-making process to health issues.
5, 6	C.4.3	Predict outcomes of positive health decisions for themselves.
5, 6	C.4.5	Analyze how behaviors may have both good and bad consequences.
3, 5, 6	D.4.1	Analyze valid health information, products, and services.
5, 6	E.4.3	Describe ways technology can influence personal health.
3, 4, 5, 6	E.4.4	Explain how information from school and family influences health.
5, 6	F.4.3	Describe and demonstrate ways to communicate care, consideration, and respect for themselves and others.
3, 5, 6	G.4.2	Convey valid information and express opinions about health issues.
5, 6	G.4.4	Demonstrate the ability to influence and support others in making positive health choices.