

OPEN WIDE AND TREK INSIDE		
Pennsylvania Academic Standards for Science and Technology – Grade 4		
Lesson	Standard	Description
3, 5	3.1.4.B.2	Identify and apply models as tools for prediction and insight.
3	3.1.7.E.2	Examine and explain change by using time and measurement.
1, 2, 3	3.2.4.B	Describe objects in the world using the five senses: recognize observational descriptors from each of the five senses; use observations to develop a descriptive vocabulary.
3	3.2.4.C	Recognize and use the elements of scientific inquiry to solve problems: generate questions about objects, organisms, and/or events that can be answered through scientific investigations; design an investigation; conduct an experiment; state a conclusion that is consistent with the information.
1, 2, 4, 5	3.3.4.A.1	Identify life process of living things (e.g., growth, digestion, react to environment).
1, 2, 4, 5	3.3.4.A.2	Know that some organisms have similar external characteristics (e.g., anatomical characteristics; appendages, type of covering, body segments) and that similarities and differences are related to environmental habitat.
Pennsylvania Academic Standards for Reading, Writing, Speaking, and Listening – Grade 3		
Lesson	Standard	Description
1, 2, 4, 5	1.1.3.F	Understand the meaning of and use correctly new vocabulary learned in various subject areas.
1, 4, 6	1.1.3.G.1	Retell or summarize the major ideas, themes, or procedures of the text.
1, 2, 4, 6	1.1.3.G.2	Connect new information or ideas in the text to known information.
2, 3, 4, 5, 6	1.1.4.3.B	Write informational pieces (e.g., descriptions, letters, reports, instructions) using illustrations when relevant.
1, 6	1.1.4.C	Write an opinion and support it with facts.
1, 2, 4, 6	1.6.3.A	Listen to others: ask questions as an aid to understanding; distinguish fact from opinion.
4	1.6.3.B	Listen to a selection of literature (fiction and/or nonfiction).
All lessons	1.6.3.D	Contribute to discussions: ask relevant questions; respond with appropriate information or opinions to questions asked; listen to and acknowledge the contributions of others; display appropriate turn-taking behaviors.
All lessons	1.1.6.E	Participate in small and large group discussion and presentations.

Pennsylvania Academic Standards for Mathematics – Grade 3		
Lesson	Standard	Description
2, 5	2.1.3.A	Count by using whole numbers.
2, 5	2.1.3.B	Use whole numbers and fractions to represent quantities.
2, 3, 5	2.1.3.G	Use concrete objects to count, order, and group.
2, 3, 5	2.2.3.A	Apply addition and subtraction in everyday situations using concrete objects.
2, 3	2.6.3.A	Gather, organize, and display data using picture, tallies, charts, bar graphs, and pictographs.
3	2.7.3.C	List or graph the possible results of an experiment.
2, 3	2.7.3.D	Analyze data using the concepts of largest, smallest, most often, least often, and middle.
2, 3	2.8.3.G	Use a table or a chart to display information.
Pennsylvania Academic Standards for Health, Safety, and Physical Education – Grade 3		
4, 5, 6	10.1.3.C	Explain the role of the food guide pyramid in helping people eat a healthy diet: food groups, number of servings, variety of food, and nutrients.
4, 5, 6	10.1.3.E	Identify types and causes of common health problems of children: germs, pathogens, and heredity.
4, 5, 6	10.2.3.A	Identify personal hygiene practices and community helpers that promote health and prevent the spread of disease.