

Helping Your Child Learn
A guide for parents of children in grades K to 3, Volume 1:
Correlation to the National Research Council's
National Science Education Standards for Grades K-4

The following data describe the pages of the guide *Helping Your Child Learn, Volume 1* that address the *National Science Education Standards* (National Research Council) for students in grades kindergarten through 4. Analysis data show the page numbers of the guide that correlate to each ability, concept or principle.

National Science Education Standards (NRC)	Analysis Data
Content Standard A: Science As Inquiry	
As a result of activities in Grades K-4, all students should develop abilities necessary to do scientific inquiry.	
Plan and conduct a simple investigation.	Pages 6, 8, 9
Employ simple equipment and tools to gather data and extend the senses.	Page 6
Use data to construct a reasonable explanation.	Pages 6, 8, 9
As a result of activities in Grades K-4, all students should develop understandings about scientific inquiry.	
Scientists use different kinds of investigations depending on the questions they are trying to answer. Types of investigations include describing objects, events, and organisms; classifying them; and doing a fair test (experimenting).	Pages 6, 8, 9
Simple instruments, such as magnifiers, thermometers, and rulers, provide more information than scientists obtain using only their senses.	Page 6
Scientists develop explanations using observations (evidence) and what they already know about the world (scientific knowledge). Good explanations are based on evidence from investigations.	Pages 6, 8, 9
Content Standard B: Physical Science	
As a result of the activities in grades K-4, all students should develop an understanding of properties of objects and materials.	
Objects have many observable properties, including size, weight, shape, color, temperature, and the ability to react with other substances. Those properties can be measured using tools, such as rulers, balances, and thermometers.	Pages 6, 8
As a result of the activities in grades K-4, all students should develop an understanding of position and motion of objects.	
The position of an object can be described by locating it relative to another object or the background.	Page 7

Content Standard D: Earth and Space Science	
As a result of their activities in grades K-4, all students should develop an understanding of objects in the sky.	
The sun provides the light and heat necessary to maintain the temperature of the earth.	Page 6
As a result of their activities in grades K-4, all students should develop an understanding of changes in the earth and sky.	
Weather changes from day to day and over the seasons. Weather can be described by measurable quantities, such as temperature, wind direction and speed, and precipitation.	Page 6
Content Standard F: Science in Personal and Social Perspectives	
As a result of activities in grades K-4, all students should develop understanding of personal health.	
Individuals have some responsibility for their own health. Students should engage in personal care—dental hygiene, cleanliness, and exercise—that will maintain and improve health. Understandings include how communicable diseases, such as colds, are transmitted and some of the body's defense mechanisms that prevent or overcome illness.	Page 8