

Energy Safe Kids Correlations Pennsylvania 4th grade

The following Pennsylvania Academic Standards for Health, Safety & Physical Education, Environment and Ecology and Science and Technology correlate to the Energy Safe Kids presentations presented to 4th grade classes.

The presentation covers natural gas properties, uses as an energy resource, hazards and safety considerations. It gives information about what to do in the event of emergencies and who to call. Pennsylvania standards for different subjects are tested at different grade levels.

Health, Safety & Physical Education

Knowledge and skills acquired in grades 4- 6, tested at the end of 6th grade

10.2.6 Healthful Living [Standard 10, section 2, grade level 4-6]

- D. Describe and apply the steps of a decision-making process to health and safety issues.
- E. Analyze environmental factors that impact health.
 - Chemicals, metals, gases (e.g., lead, radon, carbon monoxide)

10.3.6 Safety and Injury Prevention

- A. Explain and apply safe practices in the home, school and community.
 - Emergencies (e.g., fire, natural disasters)
 - Communication (e.g., telephone, Internet)
- B. Know and apply appropriate emergency responses.
 - Universal precautions

Environment and Ecology Knowledge and skills acquired by 4th grade

4.3.4 Natural Resources

- A. Identify ways humans depend on **natural resources** for survival.
 - Identify resources used to provide humans with energy.

4.5.4 Humans and the Environment

- E. Identify different ways human health can be affected by pollution.

Science and Technology and skills acquired by 4th grade

3.2.4 Physical Sciences: Chemistry and Physics

A. Chemistry

1. Identify and classify objects based on their observable and measurable physical properties.
4. Recognize that combining two or more substances may make new materials with different properties.
5. MODELS Use models to demonstrate the physical change as water goes from liquid to ice and from liquid to vapor.
6. See *Science as Inquiry* in the Introduction for grade level indicators.
 - Conduct a simple investigation and understand that different questions require different kinds of investigations.
 - Use simple equipment tools to gather data and understand that this allows scientists to collect more information than relying only on their senses to gather information.

3.4.4 Technology and Engineering Education

B. Technology and Society

1. Describe how technology affects humans in various ways.