



*The Shocking Truth About Electrical and Natural Gas Safety* supports the following Minnesota Academic Science Standards and National Health Education Standards (NHES) for grades 4-6:

*Grades 3–5*

*HEALTH*

NHES Standard 4. Students will demonstrate the ability to use interpersonal communication skills to enhance health and avoid or reduce health risks.

4.5.1 Demonstrate effective verbal and nonverbal communication skills to enhance health.

NHES Standard 7. Students will demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risks.

7.5.3 Demonstrate a variety of behaviors to avoid or reduce health risks.

*Grade 4*

*SCIENCE*

Standard 2. Physical Science

3. Energy

1. Energy appears in different forms, including heat and electromagnetism.

4.2.3.1.3 Compare materials that are conductors and insulators of heat and/or electricity.

*For example:* Glass conducts heat well, but is a poor conductor of electricity.

2. Energy can be transformed within a system or transferred to other systems or the environment.

4.2.3.2.1 Identify several ways to generate heat energy. *For example:* Burning a substance, rubbing hands together, or electricity flowing through wires.

4.2.3.2.2 Construct a simple electrical circuit using wires, batteries, and light bulbs.

*Grade 5*

*SCIENCE*

Standard 1. The Nature of Science and Engineering

1. The Practice of Science

2. Scientific inquiry requires identification of assumptions, use of critical and logical thinking, and consideration of alternative explanations.

5.1.1.2.1 Generate a scientific question and plan an appropriate scientific investigation, such as...controlled experiments to answer the question.

*Grade 6*

*SCIENCE*

Standard 1. The Nature of Science and Engineering

4. Current and emerging technologies have enabled humans to develop and use models to understand and communicate how natural and designed systems work and interact.

6.1.3.4.1 Determine and use appropriate safe procedures, tools, measurements, graphs, and mathematical analyses to describe and investigate natural and designed systems in a physical science context.

*Grades 6–8*

NHES Standard 4. Students will demonstrate the ability to use interpersonal communication skills to enhance health and avoid or reduce health risks.

4.8.4 Demonstrate how to ask for assistance to enhance the health of self and others.

NHES Standard 7. Students will demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risks.

7.8.3 Demonstrate behaviors to avoid or reduce health risks to self and others.