



## Stay Safe Around Electricity (*Grades 3-6*)

### Virginia Educational Standards

*Stay Safe Around Electricity* fulfills many of the Virginia Standards of Learning in the areas of health and science. These standards are met through a variety of content, including features, assessments, activities, checklists, and hands-on investigations. This activity book supports the following Standards of Learning.

#### **GRADE LEVEL OBJECTIVES**

##### **Health**

###### ***Grade 3***

- 3.1 The student will explain that health habits impact personal growth and development. Key concepts/skills include
- b) safe and harmful behaviors

###### ***Grade 6***

- 6.4 The student will analyze the consequences of personal choices on health and well-being. Key concepts/skills include
- d) identification of risk behaviors
  - e) strategies for preventing and responding to injuries
- 6.5 The student will demonstrate injury prevention and management skills to promote personal and family health. Key concepts/skills include
- a) safety habits in vehicles and public areas
  - b) first aid and safety practices
  - c) strategies to avoid accidents
  - d) the need for and use of protective gear

##### **Science**

###### ***Grade 3***

- 3.11 The student will investigate and understand different sources of energy. Key concepts include
- b) sources of energy (sunlight, water, wind)

###### ***Grade 4***

- 4.3 The student will investigate and understand the characteristics of electricity. Key concepts include
- a) conductors and insulators
  - d) the ability of electrical energy to be transformed into heat, light, and mechanical energy

4.8 The student will investigate and understand important Virginia natural resources. Key concepts include

c) minerals, rocks, ores, and energy sources

**Grade 6**

6.2 The student will investigate and understand basic sources of energy, their origins, transformations, and uses. Key concepts include

e) energy transformations (heat/light to mechanical, chemical, and electrical energy)