



## **It's a Wired World (*Grades 4-6*)**

### **Virginia Educational Standards**

*It's a Wired World* fulfills many of the Virginia academic content standards for science and health education. These standards are met through a variety of features, assessments, activities, checklists, and hands-on investigations.

#### **SCIENCE STANDARDS**

##### ***Grade Four***

##### **Force, Motion and Energy**

4.3 The student will investigate and understand the characteristics of electricity. Key concepts include

- a) conductors and insulators;
- b) basic circuits (open/closed, parallel/series);
- d) the ability of electrical energy to be transformed into heat, light, and mechanical energy;

##### ***Grade Five***

##### **Scientific Investigation, Reasoning and Logic**

5.1 The student will plan and conduct investigations in which

- h) an understanding of the nature of science is developed and reinforced

#### **HEALTH STANDARDS**

##### ***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