



Experiments to Explore Electricity (*Grades 3-6*) **North Carolina Educational Standards**

Experiments to Explore Electricity fulfills many of the North Carolina academic content standards for science education. These standards are met through a variety of features, assessments, activities, checklists, and hands-on investigations.

Grade Four Competency Goal 3. The learner will make observations and conduct investigations to build an understanding of magnetism and electricity.

Objective 3.03. Design and test an electric circuit as a closed pathway including an energy source, energy conductor, and an energy receiver.

Objective 3.04. Explain how magnetism is related to electricity.

Objective 3.06. Describe and identify materials that are conductors and nonconductors of electricity.

Objective 3.08. Observe and investigate the ability of electric circuits to produce light, heat, sound, and magnetic effects.

Grade Six Competency Goal 1. The learner will design and conduct investigations to demonstrate an understanding of scientific inquiry.

Objective 1.05. Analyze evidence to explain observations, make inferences and predictions, and develop the relationship between evidence and explanation.