Grade 4 - Electric Circuits (Blue)

Overview

This STC module provides students with new experiences to:

- Investigate wires, batteries, bulbs and other electrical "stuff"
- Learn the basic properties of electricity
- Learn about electric circuits, conductors and insulators
- Represent parts of a circuit with a circuit diagram
- Explore switches and diodes
- Wire a cardboard "house"

Scientific Processes

- Predicting, observing, describing, and recording results of experiments with electricity
- Drawing conclusions about circuits from the results of experiments
- Applying information about electric circuits to design and wire a house
- Communicating results and ideas through writing, drawing, and discussion

Assessments

Evaluation suggestions throughout the unit help teachers assess what students know and monitor their progress. A selection of assessments allow the teacher to adjust for most appropriate use and include drawings, brainstorm lists, student descriptions, and pre and post-test suggestions. Portfolio ideas and student presentations are included as useful vehicles for assessment.

The Electric Circuits kit is a product of STC (Science and Technology for Children) and was developed by the National Science Resources Center.