

Electric Circuits: Suggestions for Collecting Work Samples

We are fortunate that our science curriculum is very inquiry oriented. At each grade level there are many opportunities built-in for students to do inquiry. Often all that is necessary is remove some of the teacher direction and structure, but supply students with available materials. We have identified opportunities for inquiry work samples in Electric Circuits. Although these activities provide an opportunity for students to **demonstrate all four components** of inquiry, they can also be used to give students practice on individual components.

| Lesson | Lesson Title | Description |
|--------|---|--|
| 7 | <ul style="list-style-type: none">• Conductors and Insulators | This lesson could be modified so that students design and conduct their own investigation rather than following the procedures outlined in the lesson. A discussion about why electrical cords are covered could serve as a starting place for the process. Describe the materials that are available. From that point students could use the “Scientific Inquiry Report Form” to guide the process. |