Lesson Ten

Summative Assessment

Grade: Fourth Grade

Time: 30-45 Minutes (w/small group accommodations: teacher will read directions /questions, and clarify for understanding)

Materials: Teacher Made Assessment, pencils, and based on a class size of 25 each student will need two wire segments with alligator clips on at least one end of each wire. The other end must be stripped if it does not have an alligator clip at each end. Each student will need one battery holder and one D- cell battery. Each student will also need one light bulb socket as well as a light bulb. Five items: house key, a red checker, a quarter, an all wooden pain brush, and a plastic golf tee.

Objective: To assess students' knowledge and understanding of electricity up to this point in the unit.

Standards: NYS/National Standards

New York State Standards: Standard One: Analysis, inquiry, and design.

- Scientific Inquiry: Key Idea One, The central purpose of scientific inquiry is to develop explanations of natural phenomena in a continuing creative process. **S1.1** Ask "why" questions in attempts to seek greater understanding concerning objects and events they have observed and heard about

National Standards: NS.K-4.2 Physical Science

- As a result of the activities in grades K-4, all students should develop an understanding of the following: properties of objects and materials, position and motion of objects, and light, heat, electricity, and magnetism. Utilize to build an electrical circuit as well as being able to understand electricity and its path traveled.

Procedure:

1.) Inform students that they will be working independently today on a short assessment. The assessment will tell the teacher what they have learned up this point in the unit.
2.) The teacher will review the science rules with the students. The teacher will then pass out the tests and have students scan it briefly before writing on it.
3.) The teacher will ask students to check all of the materials at their station. If they feel they are missing something they may raise their hand. The teacher will ask if there are any questions regarding the test.
4.) The teacher will instruct students that when they are finished they must disassemble their circuit and put the station back the way they had found it.
5.) The teacher will then allow students to begin.
6.) The teacher will have a small group at a separate table providing accommodations such as reading directions, clarify understanding and assisting with the use of manipulatives.

Lesson Ten (cont.)

Conclusion:

- The teacher will collect all assessments and analyze them individually. The teacher will find commonalities in mistakes if any and reteach components of the unit. The teacher will give immediate feedback to students (positive reinforcement) regarding their working ethics and abilities with the science materials. The teacher will pull small groups to reteach during future lessons.