What we need is:

1. a description of the Unit 4 topics studied (4-6 sentences will do)
2. Learning Expeditions your grade took (in-house visits, too)
3. projects / Exhibit Night displays, experiments, etc. your grade's students will be displaying
4. questions that Exhibit Night visitors should ask docents

**First Grade Unit 1 Exhibit Night Copy**

During Unit 1, First Grade students explored the fascinating world of science. Students were challenged to “think like a scientist” and use their inquiry skills to learn about topics related to light, sound, and magnets. Budding scientists were inspired by famous scientists from our past including Albert Einstein, Marie Curie, and Sir Isaac Newton to ask questions, develop hypotheses, conduct experiments, record data, draw conclusions, and share findings through several hands on learning activities. First graders also had the chance to participate in meteorology training as they conquered the wonderful world of weather and water. Finally, students used the scientific method to complete their own science investigations at home. Our young scientists can’t wait to share all that they have learned at our First Grade Science Fair!

**During this unit we participated in the following expeditions:**

Parent Scientist Visits: Jennifer Hurst-Kennedy (cell biologist), Brian Higgins (forensic biologist), Allison Little (pharmacist)

Big Thinkers: The Taste of Science (In school expedition)

Big Thinkers: Extreme Weather (In school expedition)

High Touch, High Tech: Me and My Shadow (In school expedition)

Big Thinkers: Magnet Makers (In school expedition)

WSB-TV Weather Station Tour

Big Thinkers: The Science of Sound (In school expedition)

Emory University Physics Lab

**Our hallway displays will include:**

Interactive Magnet Wall- Guests will be attracted to this display which will feature large horseshoe and bar magnets, a collection of magnetic and non-magnetic items, and two student created magnet games.

Interactive Light Wall-Guests will be illuminated by a giant energy efficient light bulb as they sort pictures of man-made and natural light sources using a Venn diagram.

Sound Wall- Guests should tune in to hear sound bites from first graders at our large ear. This wall will also feature student created sound waves and examples of emergency sounds that help to keep us safe.

Student docents will be conducting live science demonstrations throughout the first grade hallway.

First Grade Scientists will host a Science Fair in two of the first grade classrooms. Mrs. Stark’s Classroom will display projects related to weather and sound. Ms. Silveri’s Classroom will display projects related to light and magnets.

Weather Forecasts Viewing Room- Ms. Newbold’s Classroom will serve as a viewing room for student generated weather forecasts. These pre-recorded mock weather forecasts were written in class by first grade meteorologists and recorded in front of a “green screen” during their STEM exploratory class.

**Questions for Docents may include:**

1. How can we observe magnetic force and the strength of a magnet?
2. What effects do magnets have on other magnets?
3. What is the difference between man- made and natural light sources?
4. How are shadows made?
5. How are light and sound similar? How are they different?
6. What is the difference between pitch and volume?
7. How do emergency sounds keep us safe?
8. How do meteorologists observe, measure, and forecast weather?
9. How did you use the scientific method to complete your science fair project?