

## Information for Students

1. **Our Science Fair date will be on Friday, December 8<sup>th</sup>.** All projects must be completed and brought to school on this date.
2. **Do not include your name on your project or photos that identify any participants.** Students will be given a number for their project for identifying purposes.
3. **Students should have their project approved by their teacher no later than Tuesday, November 21<sup>st</sup>.** In order to have a project approved, you need to turn in:
  - Approval Form 1B
  - NCSEF Elementary EZ Form
  - Student Checklist 1A
  - Your Experimental Research Plan
4. **Students will complete a 3-sided display board for the science fair.**
5. **Projects include a research plan/project summary.** You will conduct research and write about your findings. Keep track of the sources where you get your information. Digital research resources like Britannica Elementary and EBSCO databases are provided by the state of North Carolina for public school students. The resources can be accessed by logging into [Clever](#) with the student's GCS username and password and then clicking on NCEdCloud. (If needed, login information can be obtained from your child's teacher.)
6. **Have fun!** Choose something that's meaningful to you or something that you are curious about. Great examples can be found at: [50 of the Best Science Fair Project Ideas for Kids](#) (Waterford.org)

### **Important:**

- ★ **NO viruses, mold, fungi, bacteria, or bodily fluids may be used in any projects**
- ★ **People and animals may be used, but additional approvals and paperwork is required- so you may want to avoid these**

**The following items should be included in the project:**

## **Research Plan**

The Research Plan/Project Summary should include the following:

**A. *Rationale*:** Include a brief synopsis of the background that supports your research problem and explain why this research is important and if applicable, explain any societal impact of your research.

**B. *Research Question, Hypothesis, Engineering Goal, Expected Outcomes*:** How is this based on the rationale described above?

**C. *Describe the following in detail*:**

- **Procedures:** Detail all procedures and experimental design, including methods for data collection. Describe only your project. Do not include work done by mentor or others.
- **Risk and Safety:** Identify any potential risks and safety precautions needed.
- **Data Analysis:** Describe the procedures you will use to analyze the data/results.

**D. *Bibliography*:** List major references (e.g. science journal articles, books, internet sites) from your literature review. If you plan to use vertebrate animals, one of these references must be an animal care reference.

**E. *Three*** (3) major references (e.g. science journal articles, books, internet sites) for elementary

★ Try to include lots of pictures of your experiment! (But no pictures of people!)

