Westminster Elementary Science Fair Informational Packet 2024

Due: Nov. 11th

Westminster Science Fair Rules

1. Only one student per project entry.

2. Adults can help, in fact we want them to get involved. They can help gather materials, supervise your experiment and even help build the display. They just can't be with you during the judging. (So parents, no peeking!)

3. Experiments are recommended over collections and models. You will not score very high unless you do an experiment, so save the models and collections for a class project. You will be judged on the use of the **Scientific Method**.

4. You cannot perform the experiment live. You will only be judged on your presentation, models (3-5), and board.

5. Displays must be on display boards or can be made with cardboard. They can be no longer than 100cm in height, 180 cm in length and 75cm deep. They must stand alone.

6. Limit your presentation to 5 minutes at the most, 2-4 minutes on speaking and the rest for the judges to ask questions.

7. Respect all adults involved in the fair... especially the judges!

8. All decisions of the judges and science fair committee are final.

K-2 Grade Students

K-2 Student Projects should include the following:

- Trifold Display Board
- Pictures
- Graphs/Charts
- Models

The following are expected to be displayed on the poster board:

- Title
- Question
- Hypothesis or Educated Guess
- Procedure
- Materials Used
- Data Collection Chart
- Conclusion (1 paragraph)

Students should be prepared to talk about their projects with judges.

Please see sites below to possible Science Fair Project Ideas (*but you can definitely use your own ideas or let the students explore*):

- **Science4Us**
- **Pintrest**
- **Primary School Science Fair Projects**
- www.education.com
- www.sciencebuddies.org

SCIENCE FAIR GUIDELINES (Grades K-5)

This is a mandatory project for all students!

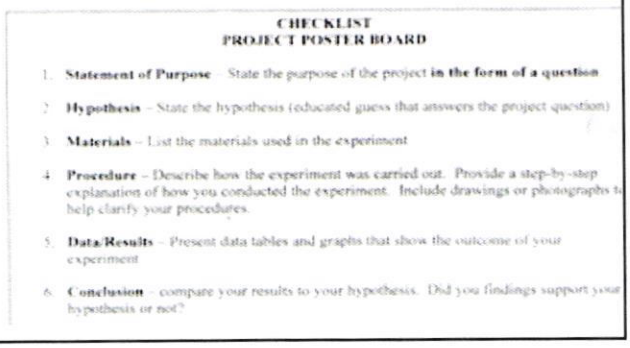
Due Date: K-5 November 11th and judged on November 15th .

Create an investigative trifold display board a question that requires experimentation. Your work must be displayed on a full-sized tri-fold board.

NOTE: If you conduct an experiment, you must include pictures of yourself conducting the experiment, which will be displayed on the board showing your steps of scientific investigation.

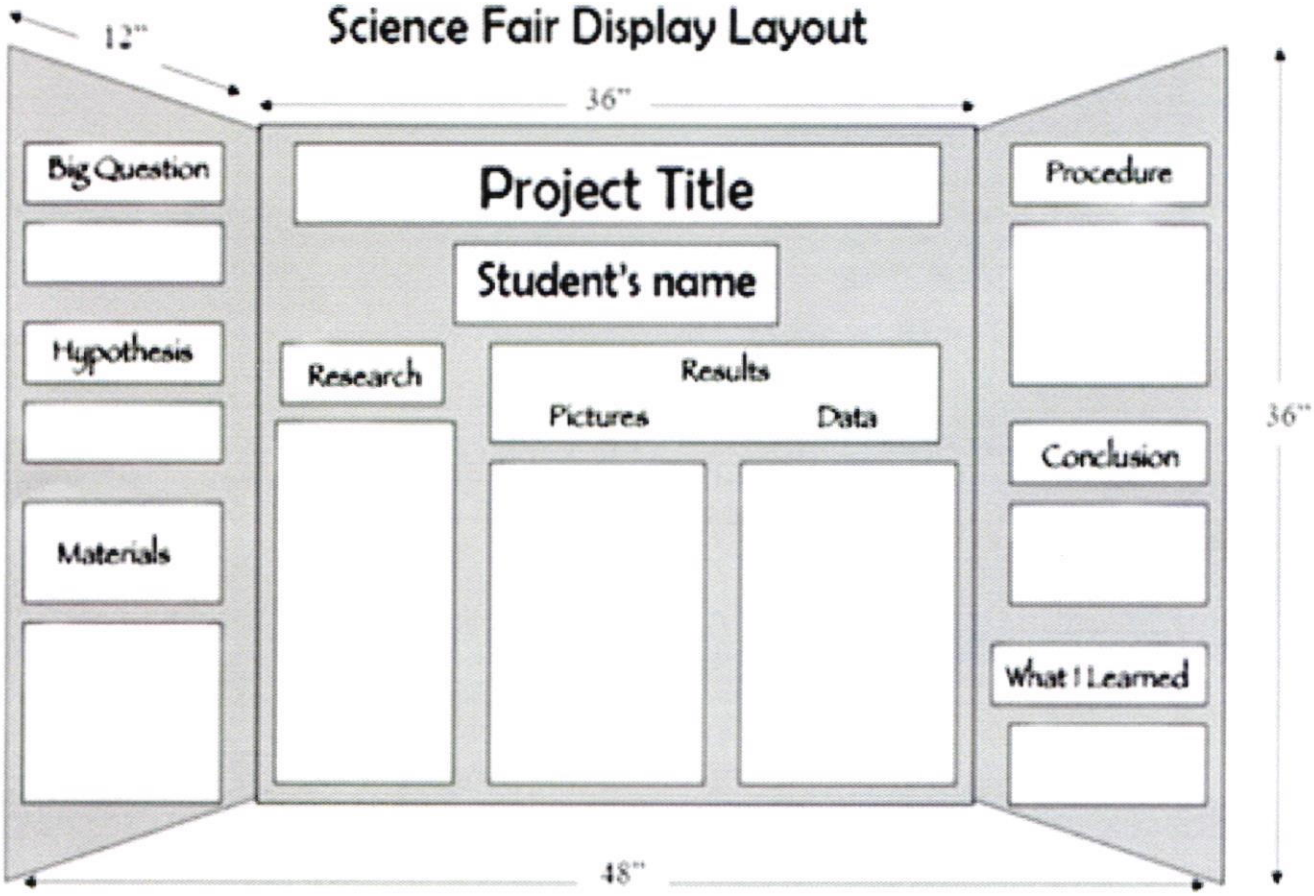
Teachers will grade projects. Judging for 1st, 2nd, and 3rd places will take place on the day of the grade level Science Fair as mentioned above. **If students are going to be absent on the day of the fair, parents will need to bring their project to school for judging. Students without a project will receive a zero in the gradebook. No late projects will be accepted for a grade.

Topics and questions for scientific investigation that may interest:

Informative Project	Investigative Project
• Ocean life • Zoology (The study of the anatomy and physiology of animals) • Planets and Space • Insects • Geography • Ecosystem • Health and Medicine (The study of diseases and the health of humans and animals) • Illustrate The Doppler Effect • Demonstrate How Earthquakes Are Caused	• Is Play-doh a Good Conductor of Electricity? • Do Plants Respond to Classical Music? • How Does a Chick Breathe Inside Its Shell? • Do White Candles Burn Faster Than Colored Candles? • How Fast Does an Alka-Seltzer and a Regular Tablet Make Gas?  CHECKLIST PROJECT POSTER BOARD 1. **Statement of Purpose** – State the purpose of the project **in the form of a question** 2. **Hypothesis** – State the hypothesis (educated guess that answers the project question) 3. **Materials** – List the materials used in the experiment 4. **Procedure** – Describe how the experiment was carried out. Provide a step-by-step explanation of how you conducted the experiment. Include drawings or photographs to help clarify your procedures. 5. **Data/Results** – Present data tables and graphs that show the outcome of your experiment 6. **Conclusion** – compare your results to your hypothesis. Did you findings support your hypothesis or not?

A few websites to use:

www.education.com, www.sciencebuddies.org, **Also check out the library!**


Science Fair Display Layout
12"
36"
Big Question
Hypothesis
Materials
Project Title
Student's name
Research
Results
Pictures
Data
Procedure
Conclusion
What I Learned
36"
48"