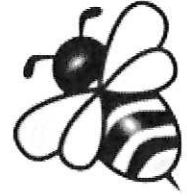


## Buford Elementary School Science Fair



Buford Elementary will be holding a science fair for students in grades 3-5. One winner will be selected in each grade level to be our representatives in the Lancaster County School District Science Fair, which will be held on February 28 through March 2, 2018. The BES Science Fair is optional, however students participating in the BES Science Fair will receive extra credit from their teacher.

### Science Fair Project Requirements:

- Projects are to be completed at home by the student following the Scientific Method.
- A tri-fold display board is required to display all information for your science fair project.
- Attached you will find a Scientific Method sheet and tri-fold display board planning sheet to help plan out your board.

### Science Fair Dates:

- Projects are due to your teacher by February 9, 2018
- Judging for school winners on February 12, 2018 (judging scorecard can be found on the BES website)
- School Science Fair display on February 13-16, 2018
- Winning projects turned into the District on Wednesday, February 28, 2018
- Projects judged at USC-L on Thursday, March 1, 2018
- School Winner Student Interviews on Friday, March 2, 2018
- Awards ceremony at USC-L on Monday, March 5, 2018 at 6 pm

## Required Elements for your Science Fair Board

Each project should be displayed on a tri-fold board. You may choose how to organize the information on your individual board. A suggested layout is shown below. Information should be printed or written neatly and show each step of the scientific process.

Write your name, grade level and homeroom teacher on the back of your board.

**A. Title-** What is the topic of your experiment?

**B. Question** - What is the question you are answering with this experiment?

**C. Research-** Research your topic! Summarize what the research says and how it relates to your experiment.

**D. Hypothesis** - What do you think will happen and WHY?

**E. Materials** – Materials used in the experiment.

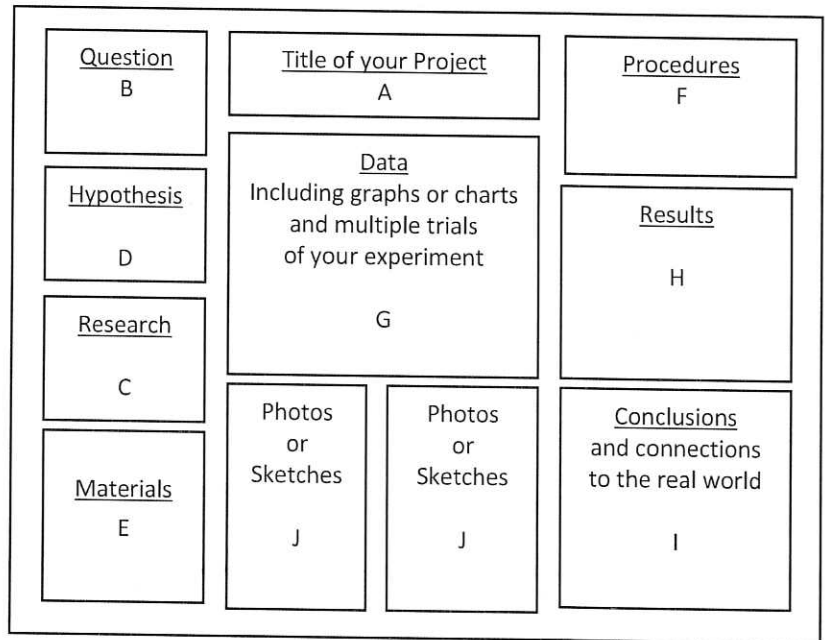
**F. Procedures** – List the step-by-step instructions to carry out the experiment. These are directions that someone else could follow to complete the investigation.

**G. Data** – Graphs & charts! Show the data you obtained while completing your experiment. Numerical data must be included! If possible, chart the data in a graph (pie chart, line graph, bar graph, line plot etc...) Multiple trials should be carried out and recorded.

**H. Results** - This is your opportunity to explain the data in the graphs and charts. A summary of how the experiment turned out.

**I. Conclusions** - What did your science experiment show? Was your hypothesis correct? What do the results of your experiment have to do with the real world? How can you apply what you've learned to other areas of science? Why is your experiment important? What are the implications of your test results?

**J. Photos/Drawings/Diagrams** - This is your opportunity to add creativity and individuality to your board with relevant and interesting information. You may want to include photos and sketches to show what happened in your experiment.



# The Scientific Method

## STUDENT RECORD SHEET FOR AN EXPERIMENT/SCIENCE PROJECT

1. What do you want to find out? (purpose)	2. What is already known about this? (related information)
3. What do you think will happen? (hypothesis)	5. What will you do to find out? (procedures; list of steps)
4. What do you need to use? (materials)	6. What happened? (results: qualitative and quantitative observations on tables and graphs)
7. What did you learn? (Conclusions: status of hypothesis after research, source of error; what did you learn? Practical applications; things you would do differently; areas of future research)	