



Science Fair

The River Grove Science Fair will be on Tuesday, May 8th from 4:00 to 7:00 P.M. in the Commons building.

The guidelines for the science fair are quite simple. At this age, we want the students to be exposed to the scientific process, as they will continue to build on this concept in future years. The steps to the scientific process include the following:

- 1. Ask A Question:** *Make sure your question is testable and measurable. For example: Which battery lasts the longest?*
- 2. Conduct Research:** *Learn more about your topic by doing research at the library or on the Internet, interviewing or speaking to others, traveling to places, etc.*
- 3. Develop Your Hypothesis:** *Based on your research, predict a possible answer to your question. Remember that it is okay if your hypothesis turns out to be incorrect; it is simply an educated guess.*
- 4. Conduct Your Experiment:** *Design an experiment that will help answer your question. It is important to identify the variables (things that change or could be changed) and the constants (things that stay the same). If possible, try to repeat the experiment several times to get reliable results. Collect and record your data.*
- 5. Draw Conclusions:** *Analyze your data and results. Compare them with your hypothesis. Was your hypothesis correct? Create a display board that explains your project, results, and conclusions.*

Students may choose to work with a partner for the science fair. Groups of 3 or more will not be allowed. Keep in mind that this project needs to be completed outside of school. If your child chooses to have a partner, time needs to be arranged to complete the project with the partner.

Remember that this is your child's project; therefore, it should be completed by your child (and may involve your supervision), but you should not be conducting his/her experiment or putting together his/her display board.

Below are some *suggestions* for where the students should be with their project by certain dates. These are *guidelines* for your family to keep the project moving along smoothly.

The only real due-date is the date of Tuesday May 8th, the Science Fair itself. We will be setting up the fair in Commons after lunch on the 8th, so getting the project displays to school that morning or the day before will be important.

Thanks for all of your time and support. See you at the fair!

-DC

River Grove Science Fair

Name(s): _____

Scientific Process Suggested Checkpoints

1. My question is the following:

Parent Signature _____

Suggested due date: April 8th

3. Hypothesis: Come up with your prediction/guess. What do you think will happen when you conduct your experiment?

Parent Signature _____

Suggested due date: April 15th

4. Conduct Experiment: Follow your procedure to complete your experiment.

Materials needed to complete experiment:

Steps to Completing the Experiment: Feel free to write the steps to completing the experiment or attach the process to this sheet. (If you found the experiment on the Internet or in a book, you may print/copy and attach it.) If you choose to write the steps down, attach additional paper if needed.

Experiment Results:

Parent Signature _____

Suggested date due: April 22nd

5. Draw Conclusions: Please compile your data to create a display for our science fair! 😊 In the past, many students have chosen to display their information on tag board or tri-fold boards.

Your completed display should include the following information:

- Question
- Research
- Hypothesis
- Experiment (with materials listed)
- Results
 - Make sure to answer your question in your conclusion!

Parent Signature _____

Due: May 8th, 2018 (Bring display board to school Tuesday A.M.)

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