

Dear WOLCA Families,

As you may have already heard our Science Fair has been moved up to March 2nd this year. Each WOLCA student will participate in the Science Fair. Thank you for taking time to help your student choose an appropriate project. Students *may* choose to complete a project related to their grade level Science but are not limited by our curriculum.

It's important for students to choose something they are interested in and enjoy. After all, the science fair project isn't just about getting a grade in school, it's about learning and having fun! Science Fair projects are to be completed at home. Parental guidance is encouraged but students are expected to complete the majority of the project at their level.

This year we are putting together a judging committee to award students 1st, 2nd and 3rd place prizes for each grade level. All entries to the Science Fair will receive a WOLCA participation certificate. We would like to encourage all students to do their very best and make this year's Science Fair the best one yet!

Attached you will find specific requirements for your child's grade level. Students need to submit a project idea by: January 17th. Projects are due in school no later than **Monday, February 27.**

I am looking forward to our Science Fair this year! I can't wait to see all the great projects that our students come up with this year.

In His Service,

Carmen A. Durst
School Administrator

Please fill out the form below and send it to school by Tuesday, January 17th

Student's Name: _____

Science Fair Project topic: _____

Student Signature: _____

Parent Signature: _____

Date: _____

1st and 2nd Grade Science Projects to include:

1. Science Fair display board. (Tri fold board that can be purchased at most stores)
 - a. The title of your project should go on the center panel at the top of your science fair display board and be large enough so that people can see it from about three feet away
 - b. include your hypothesis, procedures, results, conclusions, and other information including charts, graphs or pictures.
 - c. Be Creative!
2. Science Fair Project/Experiment:
 - a. Of course it would be great if you could bring your science fair experiment into the fair, but if it's too big, or if it was strictly observational, consider bringing in photographs or a part of the experimental apparatus. Whatever you choose, your science fair display has to represent your project in such a way that it holds the interest of the judges--so be creative! (Please no live animals)
3. A written report. **(3 paragraphs minimum)**
 - a. Report should include project idea, hypothesis and prediction, description of the procedure, detailed observations, and a conclusion.
 - b. Minimum of 2 sources written on a piece of paper and attached to the report (only 1 website)
4. Oral Report- Student's will present and read their report to the class.

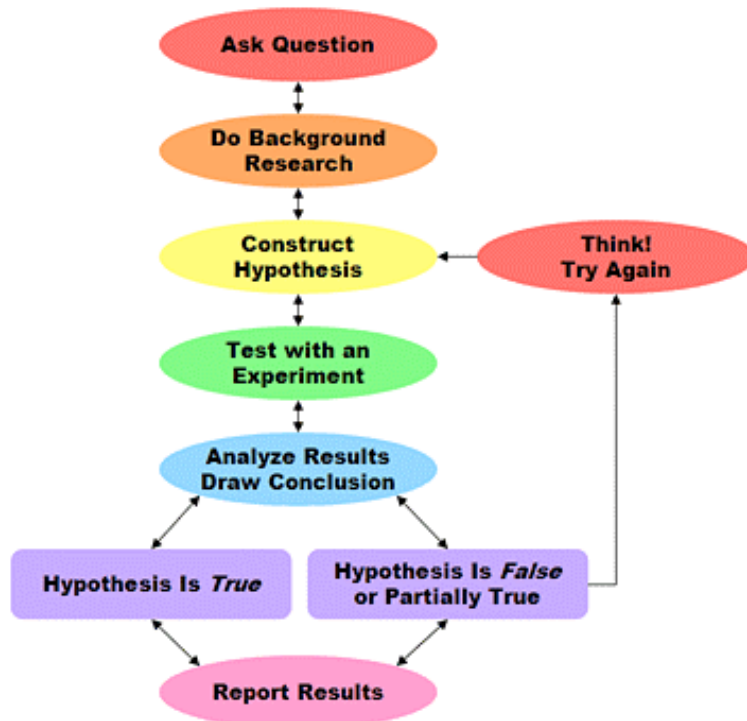
3rd Grade Science Projects to Include:

1. Science Fair display board. (Tri fold board that can be purchased at most stores)
 - a. The title of your project should go on the center panel at the top of your science fair display board and be large enough so that people can see it from about three feet away
 - b. include your hypothesis, procedures, results, conclusions, and other information including charts, graphs or pictures.
 - c. Be Creative!
2. Science Fair Project/Experiment:
 - a. Of course it would be great if you could bring your science fair experiment into the fair, but if it's too big, or if it was strictly observational, consider bringing in photographs or a part of the experimental apparatus. Whatever you choose, your science fair display has to represent your project in such a way that it holds the interest of the judges--so be creative! (Please no live animals)
3. A written report. **(5 paragraphs minimum)**
 - a. Report should include project idea, hypothesis and prediction, description of the procedure, detailed observations, and a conclusion.
 - b. Minimum of 3 sources written on a separate sheet of paper and attached to the report. (only 1 website)
4. Oral Report- Students will present their projects to the class. Students may use notes as a reference but may not read from their report. Students are encouraged to practice the oral presentation at home.

Overview of the Scientific Method

The scientific method is a process for experimentation that is used to explore observations and answer questions. Scientists use the scientific method to search for **cause and effect** relationships in nature. In other words, they design an experiment so that changes to one item cause something else to vary in a predictable way.

Just as it does for a professional scientist, the scientific method will help you to focus your science fair project question, construct a hypothesis, design, execute, and evaluate your experiment.



Even though we show the scientific method as a series of steps, keep in mind that new information or thinking might cause a scientist to back up and repeat steps at any point during the process. A process like the scientific method that involves such backing up and repeating is called an **iterative process**.

*** All Projects should use the Scientific Method. Teachers will be reviewing the Scientific Method in class. This information is attached for your reference.**

4th and 5th grade Science Projects to Include:

1. Written Research report (6 paragraphs minimum)

Due Friday, February 3rd

- Choose a topic
- Complete a Research packet (from Mrs. Carr)
- Write a first draft
- Revise & Proofread
- Write a final draft (typed if possible)

2. Science Fair Project & Display (shows your research/experiment)
(Trifold board that can be purchased at most stores)

Due Monday, February 27th

Students have 2 options when creating a display.

- a. They may present the information from their research report in a creative way (ex. gather and display examples, pictures, charts, graphs, etc).

OR

- b. They may conduct an experiment related to their topic. The display should show the scientific method approach (hypothesis, procedure, etc) in a creative way.

(Please no live animals.)

3. Oral report (5-7 minute explanation of research topic/display board/experiment)

Ready to present during the week of February 27th

Students will present their projects to the class. Students may use notes as a reference but may not read from their report. Students are encouraged to practice the oral presentation at home.

