

SCIENCE FAIR

April 2, 2020

All the information about the Science Fair for this year was given to the 4-6th grade students the week of January 14.

4-6th grade students are **required** to do a project. It should be a problem solving type of project not a demonstration or display.

K-3rd graders may choose to do any type of project.

Students should be choosing their projects in the next two weeks with the help of their parents and Debbie. As parents you should know what they are thinking about as you may have to help them get their equipment or supplies and determine where in your home the experiment might be completed. We have a lot of things in the Science Lab that they might be able to borrow, so before you go out and purchase a lot of things, have the students check with me.

Attached are the guidelines for the student project and also a timeline that would help the students complete the project without trying to do it all in a few days just before it is due. These guidelines and time line will stay posted on our school web site until after the Science Fair.

PROJECTS ARE DUE

Wednesday, April 1 2020

Thank you for your support,

Debbie

SCIENCE FAIR 2020 - PROJECT GUIDELINES

Problem: The problem should be stated in the form of a question.

Introduction: Tell all the important background information you discovered. Define the problem more if needed. Describe why you decided to do this project.

Hypothesis: State your hypothesis. A hypothesis is what you think will be the answer to your question. Give a reason or reasons for your hypothesis.

Materials: List all materials used

Procedure: Explain in detail what steps you took to do your experiment. Do not write this in paragraph form. Make your procedure like a list: step 1, step 2, etc. Another person should be able to follow those steps and do the exact same experiment

Be sure you have a control built into your experiment. For example if you want to know which detergent works the best, use the same cloths, the same amount of wash time, same temperature of water. The only variable is the detergent.

Results: Show your results in a table (chart) and also on a graph. The graph should show the same data as the table (chart). **GRAPHS ARE TO BE HAND MADE. NO COMPUTER GENERATED GRAPHS.** You may get graph paper from the Science Lab. Photos are great, but not necessary.

Conclusion: Your conclusion must be based on your results. Include the following in the conclusion.

1. Whether your hypothesis was correct
2. The actual answer to the question.
3. The data that supports your conclusion. State the data in a few sentences.
4. Other interesting information you discovered and who might benefit from your conclusion or data.

Display on a freestanding cardboard display board.

Science Fair Timeline 2018

<u>Week of</u>	<u>Assignment</u>
Jan 13-Jan 31	Look over project ideas, research, discuss with Debbie
Feb 3 -Feb 7	Choose a project
Feb 10	Plan experiment, try out procedure, gather supplies, make hypothesis.
PRESIDENTS' WEEK FEB 17-21	
Feb 24	Do experiment. Collect data in a table.
Mar 2	Make graphs, write conclusion.
March 9-20	Write up (final copy) problem, hypothesis, materials, procedure and conclusion. Put on display board.
April 1	Bring project to Multi-Purpose Room before school.
April 2	5PM - 8PM Science Fair Projects will be on display in MPR