

Science Fair Topic Proposal (15 pts)

Due
September 24, 2021

Dear Parents and Students,

It's time to consider science fair topics. Students are required to have 3 choices to make the approval process run more smoothly. Please put thought into your choices. You may not want to discuss your ideas with your friends because a student will not be allowed to do the same project as another student. In choosing your topics please make sure that they are grade level appropriate, challenging, and interesting to your child. **Your topics each must involve an experiment with least three trials that results in measurable data that will be organized on to a data table and then graphed.** Please check out my website's Science Fair page for the time line, grading and rubrics. This is a big deal. Topics will be approved from now through September 28th.

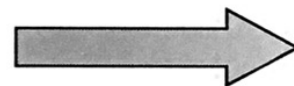
On the back of this paper, you must identify 3 topic choices that both the student and parent approve. In order to be considered complete you must tell what you will be testing and how you will measure your results.

FAQ's

1. Why would my child's proposed topics be rejected?
 - ☐ Proposed topic is not grade level appropriate.
 - ☐ Proposed topic involves a survey rather than experiment.
 - ☐ Proposed topic could not result in measurable data that can be graphed.
 - ☐ Proposed topic involves less than 3 trials.
 - ☐ Proposed topic was claimed by another student already.
 - ☐ A parent did not sign off of the proposed topics.
2. Where can I find information about ideas, expectations, process grading and examples?
 - ☐ You can find all this information on Mrs. Cardone's Science Fair webpage on the school website. Go into classrooms, select Mrs. Cardone, go to Science Fair 6-7.
3. What is a trial?
 - ☐ Scientists run experiments *more than once* to verify that results are consistent. Each time that you perform your experiment is called a run or a trial. For Example: If you are testing plants—you might do your experiment on 3 or more of the same type of plant at the same time. This counts as 3 trials.
4. What do you mean by "measure"?
 - ☐ As you conduct your experiment you will be collecting number data. You will be using a tool to gather this data such as a graduated cylinder, meter stick, ruler, stopwatch, counting, voltmeter, etc. For example you will measure plant growth by measuring height in cm, counting new leaves, measuring width of stem.
5. What is the difference between a data table and a graph?
 - ☐ A data table is a place where you write down your data as you collect it, to keep it organized. A data table looks like a chart. A graph illustrates your data and shows relationships among your data. Bar graph, line graph, pie chart.

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Student's Name _____ Home Room _____

Topic # 1 _____

In my experiment I will test-

I will measure by

Topic # 2 _____

In my experiment I will test-

I will measure by

Topic # 3 _____

In my experiment I will test-

I will measure by

_____ I understand that my child is required to participate in the Science Fair at St. Dorothy School. I am aware he/she will earn a process grade in the first and second trimesters, be graded on their finished project. I understand that the bulk of the science fair work will be done independently at home by my child. I have visited Mrs. Cardone's science fair website page and have discussed the requirements for the science fair with my child. I approve the above topics my child has chosen. I understand that my child may not get their first choice and that my child will not be allowed to change their topic once it has been approved by Mrs. Cardone/Mrs. Camuti.

Parent Signature Required _____