Science Fair
2019
Welcome Parents

Science Fair
Guidelines
Student Benefits

- Inquiry and Experiential
  This is their own learning adventure.

- Integrates skills they’ve learned in other classes:
  - Math skills
  - Computer skills
  - Research skills
  - Writing and presentation skills
What is a science fair?

A journey of scientific inquiry

Students answer a scientific question by conducting an experiment. The process ends with a showcase event that shows students that their work matters to the school community.
What do the students need to do?

Step 1: Students in grades 4 & 5 will work *individually* this year.
Step 2: Students choose their Project/experiment.
- No models
- Should include 3 trials
- Measurements are required
Step 3: Students work on their experiment at home with the supervision of an adult.
Step 4: Students bring 3 sided-plain posters to Science class and work on them during Science classes.
Step 5: Students present their projects in the class and in the big gym to the elementary students.
Grade 4: On December 10
Grade 5: On December 11
Homework and Grading

- Homework (Pages 4, 5, 7 & 10) will be given to the students and also parents can find in it the handout folder (Science Fair Planning Guide).
- The project will be graded as classwork for 30 points.
- The Science Fair Project grade is included in quarter 2.
# Science Fair Timeline

<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
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<tbody>
<tr>
<td>Oct.31</td>
<td><strong>Students choose their topics.</strong></td>
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<tr>
<td>Nov.1--22</td>
<td>- Students complete their experiment at home.</td>
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<td>- Print all steps of the Scientific method</td>
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<td>- Bring posters to Science class.</td>
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<tr>
<td>Nov.23-</td>
<td>➢ Students will work in completing their posters in class.</td>
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<tr>
<td>Dec.09</td>
<td>➢ Presentation for grading.</td>
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Overview

6 Science Fair Project Steps

1. Ask a question.
2. Do background research.
3. Construct a hypothesis.
4. Test the hypothesis by doing an experiment.
5. Analyze the data and draw a conclusion.
6. Communicate the results.
What should be included in the poster:

1. Title
2. Purpose/question
3. Hypothesis
4. Materials
5. Procedure
6. Result
7. Variables
8. Books and resources (3 or more):
9. Measurable data that includes 3 or more trials:
10. Effective analysis of data, clearly stated results (graphs, charts and tables):
11. Pictures
12. Application
13. Report: Tell the story of your project.