Join us for the Spring Avenue Science Fair
January 21, 2021
6:30 - 8:00 p.m.

Purpose: For students to have a fun and positive experience participating in a science fair. Students will display their hard work in a non-competitive virtual environment.

How do you get involved?

1. Decide if you want to work with a partner or individually.
2. See our Science Fair website for ***rubics***, examples and more! www.d105.net → Spring Avenue→ Activities→ Science Fair
3. Choose which category to participate in: Experiment OR Engineering. See the information below about the specifics of each category.
4. Complete the Google Form sign up form no later than January 14th
5. Work on your project.
6. Create your report.
7. Be ready to present!
8. Have fun!!

This year's event will be a little different than in the past. We will host it virtually on Zoom. Each project will be displayed in it's own breakout room. Observers will be able to move from breakout room to breakout room to view the different projects. If students would like to answer questions and highlight their project to those observing they may sign up for specific times to be viewed. Every student will be assigned a judging time the night of the event.

Information for Engineering Category:

ENGINEERING category projects may be in the form of a creation, a demonstration or model/display on a science-related topic of interest. Examples and ideas of projects can be found on the Spring Avenue website under Activities → Science Fair.

Information for Experiment Category:

EXPERIMENT category projects must follow the scientific method and be organized as an experiment to answer a question or prove a hypothesis. You must do the experiment, not just build a model or report on what you've read. Develop a question you would like to be able to answer. Your project must answer a definite scientific question or solve a problem.Examples and ideas of projects can be found on the Spring Avenue website under Activities → Science Fair. Listed below are the questions you need to answer when conducting your investigation following the scientific method:

- Purpose/Question Hypothesis
  - What do you want to find out? What do you think will happen?
- Materials
  - What materials/equipment did you need to use?
- Procedure/Method
  - What did you do?
- Results
  - What did you find out?
- Conclusions
  - What did you learn from your results?

ALL PROJECTS Need to Prepare an Exhibit, a Written Report, and an Oral Presentation.

1) DISPLAY: Display should have your model which is complete and ready to demonstrate what you wish to show to the judges. You may have a poster board with the following:

- Title
- Summary
- Materials
- How you built your model/exhibit
- Results: what you want viewers to see
- Conclusions

The exhibit must sit on a table and be self-supporting.
Dimensions of the exhibit may not exceed 30 inches deep and 48 inches wide.
The exhibit should have all necessary items self-contained.
You must be with your project during judging.
All equipment and material exhibited during the Fair is the responsibility of the student.

Please note that the use of the following is prohibited: vertebrate animals, blood, explosives, flammable products, hazardous organisms. If in doubt, contact Mr. Lawson or Ms. Calder. A safety check will be conducted at the fair. If safety is in question, your project will not be displayed. Projects may not include any tasting of food or drinks that do not adhere to the food and allergy policy.

2) ORAL PRESENTATION: You should be prepared to present your project and findings to the Science Fair Judges. Your oral presentation should not exceed 5 minutes. You may use note cards to remind you of what to say. The purpose of the oral presentation is to explain in your own words what you did. Remember to speak loudly and clearly. Be ready to answer any questions the judge(s) ask you. By asking you questions, they are not criticizing you but trying to better understand what you did. They may also offer suggestions for things you could have done differently. A schedule will be provided ahead of time so you know when you will be presenting. If you are not able to present at the provided time then you can present during the school day as a back-up time.

3) WRITTEN REPORT: The written report should include the following items IN THE FOLLOWING ORDER:

- Title Page - In the center of the page, write the title of your project.
- In the lower right corner, write your name, grade and teacher.
- Table of Contents - List the sections of your written report and the page numbers where they begin.
- Purpose- What does your exhibit demonstrate?
- Materials - List the materials you used. What kind? How much? Be specific.
- Methods - List step-by-step what you did. Drawings may be helpful.
- Identify variables; tell what you kept the same and what one variable you changed.
- Summary of your model.
- Resources - list the books, magazine articles, websites, etc. that you read to give you background information before you started your experiment.
    - Examples of correct style::
        - Jones, Sandra. "How Bees Behave". Science for Children. October, 1999 (magazine)
        - Smith, John. All About Plants. 1998. (book)
- Acknowledgements - Make a list of people who helped you. Give their name and how they helped.