

Hamilton Elementary School



SCIENCE FAIR

Wednesday, March 28th, 2018

7:00-8:00 PM, Hamilton School Gymnasium

“The Important Thing is to Not Stop Questioning” -Albert Einstein

The Hamilton Elementary School Science Fair Event is the showcase activity where students can share the projects exploring the natural sciences. All students, K – 5 are encouraged to use the scientific method or engineering principles to gain a deeper understanding of the chemical, physical, and biological underpinnings of our world. During the school day, all grades will visit the science fair projects and in the evening the students will be encourage to present their project to families and friends. All children must be supervised by an adult during the evening event.

Enjoy working on your scientific or engineering project!
Parents, please read through these materials with your child.

Who Can Enter? All students in grades K-5 are invited to participate. Students may work by themselves or partner with other students. The Science Fair is not a competition, and children are not graded.

How Do I Enter? Please enter your child by going to the HSA website, hamiltonhsa.com and scrolling down to the Science Fair. Click on the "Get Started" button. Simply follow the directions from there. You will be asked to select an option with a board for \$3, if you wish to purchase a display board, or an option with no board purchase. Enter the names of all the children who will be participating on the project. Please enter on or before Wednesday, March 7th. If you have trouble with the registration process, please contact David Nuckley (dnuckley7@gmail.com).

How Do I Get a Display Board? If you were in the Science Fair last year, you might be able to reuse the same board. If not, purchase a new board for \$3.00 when you register your child, and your child will receive the new display board in their classroom on Friday, March 9th. Attached to the board will be the instructions for bringing your child's project to the Science Fair. (Display boards are recommended but not required. They are also available at craft and office supply stores, but may cost a bit more.) If you are not purchasing a board, please email us and we will send you a copy of the instructions for dropping off the science project.

How Can Parents Help? Please contact us if you would like to volunteer to help out on the day of the science fair.

Who Can Answer My Questions? You can contact:
David Nuckley (612.381.4900) dnuckley7@gmail.com
Nicole Nuckley (612.381.4903) nnuckley@comcast.net

Note to Parents: The student should be the primary scientist, but parental/family guidance is encouraged. Parents should make sure that their child is working on an age appropriate project that he or she really understands and enjoys.

Science Fair Safety

Science is fun and sometimes explosive! Please do make sure that your safety and the safety of your fellow students is maintained during your experiments and presentation of your project. Your science experiment may require some of the items below and that is great with appropriate adult supervision, but during the display of your project please do not bring to the following items to school:

- 1) fire, matches, or candles
- 2) animals, dead or alive
- 3) dangerous chemicals or sharp objects

Choosing Your Project

Most importantly, choose something that will be fun for you to do. Think about what you like to do, and come up with a project, demonstration, or experiment related to it. Sports, cooking, art, math, music, pets, plants, rocks, bugs....the ideas are unlimited.

Resources

Hamilton School Front Office - Mrs. Miller has two books which may help: [The Curious Kid's Science Book](#) by Asia Citro and [The 101 Coolest Simple Science Experiments](#) by Rachel Miller, Holly Homer, and Jamie Harrington.

Learning Center - Mrs. Tomaselli will help you find science-related books in our school library.

Glen Rock Public Library – The Children's Room has a section devoted to books for science fair projects and ideas. The Science section is 550 and Science experiments is 507.

Internet Sites - You can find many great ideas and instructions for science fair experiments on the Internet. Here are a few to get you started:

<http://www.cdli.ca/sciencefairs>

<http://www.energyquest.ca.gov/projects>

<http://www.sciencemadesimple.com/projects.html>

Displaying Your Project

When your project is complete, you will need to create a display for the Fair. People attending the Science Fair should be able to understand your project by looking at your display, even if you're not there to explain it. If you're doing a traditional experiment, the display should include:

- 1) Project's title/statement of purpose
- 2) Your prediction/hypothesis
- 3) A description of your procedure (this could include drawings or photos)
- 4) The record of your results (chart, graph, table, pictures)
- 5) Your conclusions
- 6) Your name and grade
- 7) The names of anyone who helped you
- 8) Resources you used (books, web sites, etc.)

Any materials used in your display should fit on the board if you're using one or be able to sit on the table directly in front of it. If you want to do something that will require more space, please alert us at least a few days in advance so arrangements can be made.

Remember that many people will be viewing and possibly touching your project, so do not include items that are fragile or valuable.

Besides showing all the scientific information, your display board can be an outlet for artistic creativity, too! Make it colorful and eye-catching, so people will want to stop and look.