

# Quarry Hill Elementary School 2019 STEM FAIR

Friday, February 22<sup>nd</sup>, 2019 6pm-7:30pm

Registration starts at 5:30pm; *Snowdate: March 1<sup>st</sup>*

The participants in the grade with the most participation win a **SPECIAL PRIZE!**

*Winning grade has highest student participation as a percentage of total students in the class.*

Attention Quarry Hill community!!

We invite students to participate in the 2019 Quarry Hill STEM Fair featuring over 150 student displays, visiting scientists showcasing experiments and a bake sale!! *Non-participants are welcome too...come see what the STEM Fair is all about!!*

- Individual, sibling, and group projects welcome!
- Projects will not be judged
- Participants receive great giveaways including a Certificate, Ribbon, and Homework Pass
- ***New in 2019, a STEM Challenge Room for 4<sup>th</sup> and 5<sup>th</sup> graders, with a special prize awarded to each student who completes the Challenge Room***

**IT'S FREE**

## Things to Know

STEM Fair projects can be displayed however you see fit. Most people use white tri-fold poster boards that the PTO provides (available for pick up in the Quarry Hill lobby).

Your display should feature the following:

- Title of experiment
- Name(s) of presenters
- Purpose of the experiment (*Identify the problem or what you hope to find out*)
- The hypothesis (*What do you think will happen?*)
- List of materials used in the experiment
- Your procedure (*What did you do?*)
- Your results (*Write or tabulate what actually happened.*)
- Conclusion (*What did you learn from your experiment? Was your hypothesis correct?*)

**Questions?**

**Please contact:**

[skanubaddi@gmail.com](mailto:skanubaddi@gmail.com)

**Have Fun!**

## Rules and Safety Procedures/Precautions

- Matches, flames, flammable liquids, distribution of food, or live/dead animals are not allowed.
- Projects involving water, electrical circuits, mixing solutions, etc. must have an adult at the display at all times.
- The school administration and STEM Fair Committee reserve the right to reject projects that could be harmful to humans or animals or are unsafe for any reason.

Please complete this registration form (*write clearly!*), rip it off and submit in an envelope labeled **STEM Fair** OR register online at: <https://goo.gl/forms/JFXOuDcBnoVcv3Cd2> You must register by February 8<sup>th</sup>, 2019.

Title/Description of experiment (if you know it): \_\_\_\_\_

Name of Student (#1) \_\_\_\_\_ Student (#1) Grade #: \_\_\_\_\_

Parent Signature \_\_\_\_\_ Parent email: \_\_\_\_\_

*If applicable:* Name of Student (#2) \_\_\_\_\_ Student (#2) Grade #: \_\_\_\_\_

Parent Signature \_\_\_\_\_ Parent email: \_\_\_\_\_

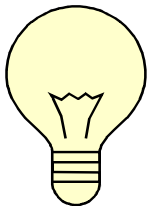
My child's experiment involves liquids (*students will be located in Cafeteria*) YES \_\_\_\_\_ NO \_\_\_\_\_

My child requests to be located by an electrical outlet (*I will supply my own extension cord*) YES \_\_\_\_\_ NO \_\_\_\_\_

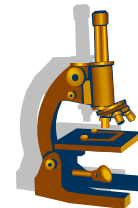
My child requests extra space for larger displays: YES \_\_\_\_\_ NO \_\_\_\_\_

It would be helpful to me for my child to be placed in the same room as their sibling: YES \_\_\_\_\_ NO \_\_\_\_\_

Additional Information: \_\_\_\_\_

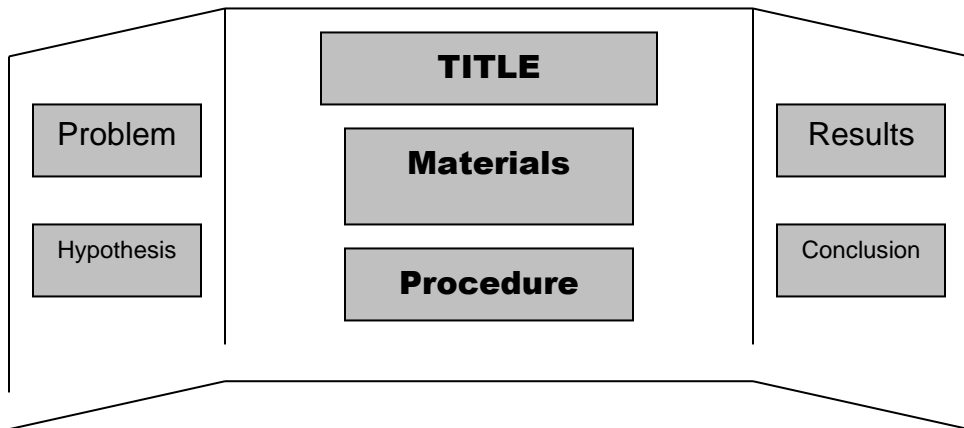


# STEM FAIR IDEAS AND RESOURCES



1. Use your experiences, remember a time you noticed something and thought, “I wonder how that works?” or “I wonder what would happen if \_\_\_\_\_” and then use that as a starting place.
2. Think about current events. Look at the newspaper. People are hungry because of droughts; this could lead to a project to find out which plants grow with the least amount of water. New ideas are always needed to solve problems. Perhaps you could look at ways to clean oil out of water (this could help with oil spills) or look at ways to reuse products (to help save the earth).
3. Watch commercials on TV. Test the claims that are made. Can people really taste the difference between Coke and Pepsi?
4. Organize, display and present your collect of rocks and minerals, insects, etc.
5. Make your project interactive and exciting. Show pictures of you performing the different stages of your experiment and invite others to join you in recreating parts of your project.
6. Look through books and on the internet for Science Fair Project ideas:
  - <http://www.all-science-fair-projects.com/>
  - <http://www.sciencefair-projects.org/>

## How to display your project:



### **Remember:**

**You will be given about 4 feet of table space to present your project. Try to explain your work with pictures, drawings, or perhaps demonstrations. You want everyone to understand what you did and why you did it.**

***Good Luck!!***