

Bring out the scientist in your child and be a part of the PTA Science Fair on Friday April 22nd, 2022 at 3pm

Important Need to Know Details

- Students will conduct their own science experiment and create their display boards at home.
- Students may work individually or in a group of no more than two students.
- A foam tri-fold display board is recommended.
- Students must be registered on the signup genius found at www.blytheparkpta.org.
- Each student will display their experiment on a card table in a designated area outside of the school.
- In the event of inclement weather, the event will move indoors to the Blythe gymnasium.
- There will be no judging but students should be prepared to present their findings.
- Participation is optional and each student will receive a participation award.
- Have Fun!

Need help getting started? Check out the following resources:

Museums

Find a variety of try at home science experiments and ideas on these websites!

Adler Planetarium <https://www.adlerplanetarium.org/learn/kids-and-fam/lets-do-science/>

Exploratorium <https://www.exploratorium.edu/explore/activities>

Science Buddies

If you need help finding a topic/project that would be of interest to your child, check out the following “**Topic Selection Wizard**” link. After answering a series of questions about everyday interests and activities, project ideas will be suggested:

<https://www.sciencebuddies.org/science-fair-projects/topic-selection-wizard/background-info>

Bill Nye Home Demos

Bill Nye the Science Guy is an American science communicator, television presenter, and mechanical engineer. The Bill Nye Official Website offers at home science demos that can serve as launching pads for science experiments! <https://www.billnye.com/home-demos>

High Tech High Touch

Find science experiments, trivia, and jokes at <http://sciencemadefunkids.net/index.cfm>

Take a look at the **Scientific Method Worksheet** included to get started and for an explanation of the Scientific Method. **Questions?** Contact Colleen Incandela at beaners614@hotmail.com or Jill Crist at chicagolmt@gmail.com

What Type of Science Project Should You Do?

There are two types of projects:

1. **A Model, Display, or Collection** – Shows how something works in the real world but no testing.
2. **Experiment** – An Experiment is a project that shows testing being done and the gathering of data. Why choose an Experiment? They are fun, interesting and they take you through the **SCIENTIFIC METHOD**, which is the way real scientists investigate in real science labs! (The experiments don't need to be complicated! Be sure to have fun!)
Use the **Scientific Method Worksheet included to get started.**

Name _____ Date _____

Ask a QUESTION:



Make a HYPOTHESIS:



Test the HYPOTHESIS:

Supplies:

Procedure:



Record the RESULTS:



Draw a CONCLUSION:



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SCIENTIFIC METHOD:

1. **Ask a Question** – What are you trying to learn?
Examples: Which paper towel is more absorbent? Does the type of liquid affect how fast an ice cube melts?
What effect does sugar (or salt, etc.) have on the boiling point of water?
How does increasing the height of a ramp affect how far the ball rolls?
 2. **Make a Hypothesis** – What do you think will happen?
Example: I think Brand X will be more absorbent because it is thicker and larger than Brand Y and Brand Z.
Supplies – Make a list of supplies you will need for your experiment.
Procedures – Make a list of the steps in your experiment.
 3. **Test the Hypothesis** – Conduct the experiment. Find out if your hypothesis was correct!
 4. **Record the Results** – What did you observe when you performed the experiment? Write down the results of the experiment every time you test it. You can organize your data in tables, graphs or charts.
- Conclusion** – What did you learn? Was your hypothesis correct?