

# Science Night is Coming!

***Students, Start Your Projects!***

Friday, May 10  
6:00 – 8:00 pm  
Brookside Gym

All students, grades K through 6th, are encouraged to take part in Science Night!

❖ **Your teacher will let you know if doing a project is required in your class.**

A successful science fair project does not have to be expensive or time-consuming. However, it does require some planning. Some projects (for example, growing plants) require weeks to get results, or you may need to try your experiment more than once. Project boards will be due at school on May 10 and will be displayed all around the gym that night to show off your great work!

## **Project Guidelines:**

Students may work individually, in pairs, or in small groups, unless your teacher tells you otherwise. Most of the work on science fair projects will be done at home, outside of school time. Students, please get parent approval for your project (teacher approval may be required in some classes). The idea is for students to have a meaningful learning experience, so please choose a project that fits with student age-level and abilities.

**Safety Note:** The following are **NOT ALLOWED** to be displayed at the Science Night (you may show photographs): open flames; flammable chemicals; live animals; preserved animals or their body parts; microbial cultures or fungi; food; needles or other sharp or dangerous objects; drugs; radioactive, toxic, poisonous, corrosive or reactive materials; or open top batteries. You need adult supervision to work with any of these materials!

**Do you need an idea?** See the back of this sheet for some ideas and questions to get you started. Also check out our school library or your neighborhood public library for science fair “how to” books.

**Free display boards!** PTA has purchased cardboard tri-fold display boards for students to use. When you drop your registration form in the school office please pick up your free display board. Please include student name, grade and teacher on the front of all display boards/projects. If extra display materials are included with the display board, please label with student name.

**Pacific Science Center Science On Wheels** will be onsite at the event with their Mathblast exhibit and portable planetarium – don't miss this cool experience!

**Egg Drop Contest** will be offered at Science Night again this year! Make a container to protect a raw chicken egg from breaking when dropped from a 15-foot height. See Egg Drop Contest details on back of this sheet.

**Volunteers Needed** Please sign up at <https://www.signupgenius.com/go/60B0C48A4AA2DA5F85-brookside>

Questions contact [bksstem@gmail.com](mailto:bksstem@gmail.com)

## Project Ideas -- You May Choose To Do One of the Following:

**Collection (grades K-2):** A collection is a gathering together and presentation of similar things. Science collections show materials in an organized way, with labels. For example, you could: collect bird feathers and identify the birds they came from; photograph and label different cloud formations; research different types of animal habitat and list plants and animals that live in each or display a shell collection including labels of where and what animal each shell is from. The collection doesn't have to be from nature; for example, you could gather and display recyclable materials made from a certain mineral, compound, or technology.

**Model (grades K-4):** A model or a demonstration is a "show and tell" display about a natural system or technology. You may build a model or a simulation or show the real object. Your demonstration must include an explanation of how the system works. For example, you could: build a model of an atom; create a display that explains how a microscope magnifies an object; diagram how a weather system, such as a tornado, works; or construct a spider web out of string.

**Invention (grades K-6):** An invention is a new way to do something that fixes a problem or is a new useful, fun or interesting idea. Think of something that needs to be fixed or improved or a new idea, then think of a way to fix it, do it or make it. For your display, you should build it or describe it, showing how it would work, and describe what it is made of, what it would do, and why.

**Experiment (grades K-6):** An experiment or an investigation is a way to answer a question by using the scientific method. Science investigations involve posing a question, predicting the outcome, testing the question, making observations, and presenting the results. A good, testable scientific question can usually be stated in the form: "How does \_\_\_\_\_ affect \_\_\_\_\_?" Some topics you might consider are: physical properties (such as hardness, temperature, size, texture, etc.), motion of objects (think of flying, rolling, dropping, etc.), wave behavior (sound, water, light), energy (heat, light, chemical, food), earth materials (questions about rocks, soil, water, air), or living organisms (characteristics of plants and animals).

## Egg Drop Contest Details

WHEN? During **Science Night, Friday, May 10th @ 7:00 pm**  
Bring your entry to the gym by 6:30pm  
WHERE? In the bus parking lot, outside the gym at school  
WHO CAN ENTER? Anyone who wants to have fun doing science!

### RULES and other stuff you need to know for the egg drop:

1. Make a container to protect a raw chicken egg from breaking when dropped from a **15-foot height or greater**.
2. **You provide the egg.** Use one large plain, raw chicken egg in its original shell. The egg must be in a natural condition (no hard-boiled, painted, vinegared, microwaved, scrambled or otherwise tampered eggs allowed.) No Ostrich or Emu eggs, they make a really big mess!
3. The container can be any shape, but the size must be **no bigger than 12 inches by 12 inches by 12 inches**. Parachutes are OK, but still need to fit in the size requirements! If your container is too big, we may still drop it, but it can't be considered for a prize.
4. The container must be **clearly labeled** with the creator's name and grade.
5. Be CREATIVE! Your container can be made of any materials, except **the following are NOT ALLOWED** to be used as part of a container:
  - A) Yogurt, Jell-O, egg salad, etc. -- anything that will splatter and cannot be easily swept up with a broom -- if yours is too messy, we'll ask you to clean it up!
  - B) flammable substances of any kind;
  - C) glass containers;
  - D) any substance or container that will cause harm to a person or school property.

**The Grand Prize will go to: The Most Eggcellent Egg Protector!**

Prizes will also be awarded for:  
Best Eggsterior Design, Most Egglectic Container, Best Egg Roll, Biggest Crack-up

# SCIENCE NIGHT REGISTRATION FORM

Friday, May 10  
6:00 – 8:00 pm  
Brookside Gym

***YES! I'm doing a Science Night project.***

Student Name: \_\_\_\_\_

Grade: \_\_\_\_\_ Teacher: \_\_\_\_\_

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

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

Date: \_\_\_\_\_

***RETURN FORM TO AND PICK UP POSTER BOARD FROM BROOKSIDE OFFICE***

Questions contact [bksstem@gmail.com](mailto:bksstem@gmail.com)

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***PLEASE NOTE: Separate registration is required for the  
Shoreline STEM Festival & Science Fair on June 1<sup>st</sup>***

Don't miss the expanded Shoreline STEM Festival on June 1<sup>st</sup> at Shoreline Community College, with a student science fair, hands-on STEM fun, robotics demonstrations, and more. Exhibitors include the UW Center for Game Science, Fred Hutchinson Cancer Research Center, Puget Sound Energy, Guild of Natural Science Illustrators and more. The festival is brought to our community with the support of Shoreline Community College, Shoreline Public Schools Foundation, and Shoreline School District.

For more information, visit <http://www.shorelinestem.org>