

# BROADMOR SCIENCE FAIR 2023 GUIDELINES

Welcome! ALL Broadmor students in grades K-5 are invited to participate in our Science Fair.

You may work alone, in pairs, or in groups.

**First**, think of a **topic** that you are excited to test, share, or show. What do you love to make or do? What are you curious about? What do you want to teach someone? These are all good questions to start with when choosing a topic.

**Next**, figure out what type of project you want to do for your topic. Do you want to test something? Make something? Show something? Share something? There are 4 main types of science fair projects:

**An Experiment:** In this type of project you have a guess or idea about something - the *hypothesis* – which you try to prove by using the *scientific method*. Examples of projects that are experiments are” “Which slime is the slimiest?” or “Which ball bounces the highest?” A good experiment always follows [these steps](#) (even if it may not always prove the hypothesis.)

**An Invention or Re-Design:** In this type of project you try to solve a real-life problem or take an existing design and make improvements to it by following the Engineering Design Process. and show how they went through each step and the resulting data for each invention. Models, prototypes, blueprints, posters, multimedia presentations or software demonstrations are all acceptable for this type of project and should follow [these steps](#).

**A Model:** If you want to show how something works, teach about a scientific process, or share how something is created naturally or in the lab, then make a model for your science fair entry. Students who build a model should still share how they used the steps of the Engineering Design Process to complete it (see above.)

**A Collection** (for grades K-2 only): This type of project is just how it sounds - show us your collection! Collections should be labeled and grouped to show how they relate to each other. Collections should include as many samples as

possible to fully represent the topic such as sea shells, birds, nests, rocks, minerals, seeds, etc.

When you have your topic and type of project picked out, **please register your project** and pick a time for judging [HERE](#), then get to work collecting your data and designing your stand alone display!

Need STEP BY STEP directions? Help with designing your display? Check out our handy science fair packet at [broadmorpta.org/science-fair](http://broadmorpta.org/science-fair)

## Schedule

Tuesday	2/21/2023	Science Fair Project Set-up	8:30-9 a.m. or 4-4:30 p.m.
Tuesday	2/21/2023	Evaluation Night 1	5-6 and 6-7 p.m. *
Wednesday	2/22/2023	Evaluation Night 2	5-6 and 6-7 p.m. *
Thursday	2/23/2022	<b>S.T.E.M. NIGHT COMMUNITY OPEN HOUSE!</b>	6-7 p.m.

\*each participant or group only needs to register for one evaluation time.

## Other Important Information

- ∞ In order to participate in judging, all projects must be set up by 5 pm on Tuesday
- ∞ Science Fair evaluations are first-come, first-served with our community judges Tuesday and Wednesday evening. Volunteer to help judge here.
- ∞ Share your project, see some super cool demonstrations, and pick your own prize at the Open House!