

OBJECTIVE: To experience, first-hand, the process of science by designing, conducting, analyzing, and communicating about an original science or engineering project.

A science fair project consists of three major components: researching a topic of interest, designing and conducting the experiment and the final experiment write-up and presentation (including backboard). Your procedure must be approved before you actually begin your experiment or engineering design.

Registration on the www.pprsef.org website gives access to the forms and fair information.

Judges and volunteers are always needed if you would like to check out the amazing projects. Registration for these jobs will be available on the website in early 2021.

If you or your organization would like to be a sponsor of the PPRSEF or provide a special award, please contact us at pprsef.colorado@gmail.com



Benefits of Competing in a Regional Science Fair

In addition to the chance to win cash and awards, preparing and presenting a science fair project helps students in the following areas:

- Planning and time-management skills
- In depth learning in a specific area of math, science or technology
- Research skills, such as the scientific method and statistics
- Writing skills
- Presentation and communication skills
- Meeting students with similar interests

All of these skills will benefit students in applying to and being successful in college and beyond.

(<https://www.sciencebuddies.org>)

2021 VIRTUAL PPRSEF

Registration and information:

www.pprsef.org

For questions, contact us at:
pprsef.colorado@gmail.com



2021 VIRTUAL PPRSEF

A COMPETITION FOR SECONDARY STUDENTS WITH PROJECTS IN

**SCIENCE, MATH,
ENGINEERING AND
COMPUTER SCIENCE**

Saturday, February 20, 2021

The contest will be virtual

The **Pikes Peak Regional Science and Engineering Fair** offers regional students or teams a place to enter science, math, engineering or computer science projects of their own creation in an annual Regional Science Fair competition with a chance for project recognition and awards. Qualified projects are invited to attend the Colorado Science and Engineering Fair and the International Science and Engineering Fair.

The most difficult part of doing a science project is often coming up with an idea. The website for the **Colorado State Science and Engineering Fair** (www.csef.colostate.edu) has great resources. The website has several links to suggestions and directions for forms. **Follow the “Learn More” links.**

Things to think about when choosing a project:

- What are your interests?
- Do you plan to work alone or with a team of 2 or 3 peers?
- What is your timeline? To compete in the PPRSEF, your project needs to be done by early February to allow you time to analyze data and complete a backboard. [The project does NOT have to be completed by Jan 30 – just the paperwork.]
- Where will you conduct the experiment? Do you need/have access to special labs or equipment?
- What special paperwork might be needed for the project? Experiments with humans, vertebrate animals, microbes or some chemicals require special paperwork and possibly specific scientific supervision. This does not mean you shouldn't do the experiment, it just means you need to plan ahead.
- What will the project cost?

Once you have an idea, do some research and start the paperwork. We will be happy to help answer questions about paperwork or safety. Contact us at pprsef.colorado@gmail.com

Project judging will be held virtually on Saturday, **February 20, 2021.**

Awards will be presented virtually by Feb 24th.

How to Enter

******The fair is in February, but students should begin getting their paperwork started as soon as a topic is selected. The PPRSEF board members can provide help, if needed. Registration will be open in late August on the website: www.pprsef.org

Please contact us at pprsef.colorado@gmail.com if you have questions about the forms or the process.

All electronic paperwork will be due in late January 2021. No late registrations accepted.

Here is a **suggested** timeline for completing a project for competition in the 2021 PPRSEF:

May-October - Research and topic selection can begin any time after the February fair

September-November - Narrow down project ideas
Register on the www.pprsef.org website
(no later than 1/20/2021)
Complete required paperwork and **get pre-approval for the project**

October-December- Experimentation or Engineering Design takes place

December-January - Analyze results / Evaluate design
Submit completed paper forms and fee (\$15) to PPRSEF (no later than 1/28/21)

January-February-Complete presentation & abstract

February 20, 2021 – Participate in the **PPRSEF**

Who May Compete

Any secondary student (grades 6–12) in Elbert, El Paso, Park or Teller County may compete in the PPRSEF. Projects may be entered by individuals or teams of up to three students.

There is no requirement to enter or place in a school or area science fair in order to enter the PPRSEF.

Awards



In addition to the place awards in the 12-14 categories (cash), there are more than 40 special awards (cash or prizes) presented by local sponsors and science organizations. In 2020 awards totaled more than \$8000.

Each year approximately 30 projects from the PPRSEF are selected to compete in the Colorado Science & Engineering Fair organized by CSU in April.

Three top projects from the PPRSEF Senior Division are invited to compete in the International Science & Engineering Fair, which is usually held in May.