

Congratulations!

You are qualified to enter you project into the 2024 Capital Area Science Fair

Since your projects earned a 1st place in your division, your project is eligible to be entered into the 2024 Capital Area Science and Engineering Fair held annually in Harrisburg, PA. This is a feeder fair into the Intel International Science fair. As the council fair coordinator I will be helping you through this process if you are interested in this opportunity.

Below is further information about this fair. Since it is not held until March of 2024 you have time to make minor adjustments based on judges feedback. However, you will be entering the same project you presented at the 2023 Franklin Science fair. Please contact me if you have any questions or concerns.

Mrs. Catherine Myers

Franklin Science Council Coordinator

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What is the Capital Area Science Fair?

We are a nonprofit 501(c)(3)EIN 23-2058836 membership organization, as well as, a PA EITC Innovative Educational Program , PA BCO #35377, which is focused on promoting the understanding and appreciation of science and the critical role it plays in our society: to inform, educate, and inspire.

MISSION STATEMENT: Our Mission is to inspire a greater interest in STEM (Science Technology Engineering Math) studies and encourage students to conduct creative research with the opportunity to present their projects for evaluation by the professional STEM community.

VISION: The Capital Area Science and Engineering Fair will become the venue to connect bright and motivated young scientists with this region's industry, academia and professional organizations to promote economic development within Central Pennsylvania. Introducing students to the science and technology opportunities within our region will facilitate the cultivation and retention of a tremendous resource – our youth.

HISTORY: The Capital Area Science and Engineering Fair (CASEF) began in 1957 with a lesson in character. Dr. Thomas Bowman Jr., a local physician, started the fair to teach his 12 year old son, Tom, a lesson. His son considered himself 'the smartest person around.'" Dr. Bowman took him to see the Westinghouse Talent Search exhibit in Washington D.C. After viewing the displays, Tom admitted, "Dad, there are some people smarter than I am." This was enough to convince Dr. Bowman of the

importance of science fairs and coordinated with the National Science Fair to establish a local affiliated fair.

With the sponsorship of the Patriot-News Co., the first fair was held at the Zembo Mosque with over 450 projects from students from 50 schools in seven counties. CASEF has been an annual event in the Harrisburg area for 63 years. Science education opportunities offered through CASEF help students develop research methods, hone problem-solving skills, and refine both visual and oral presentation techniques through fair preparation and experience. All public and private schools in our 41 county central Pennsylvania service area are eligible to register to participate in The Capital Area Science and Engineering Fair (CASEF). Senior division grand champions advance to compete in the International Science and Engineering Fair® (ISEF); the highest scoring projects of the junior division enter the Broadcom® MASTERS® competition. Students attending these prestigious competitions from the Capital Area have had remarkable success and recognition.

COMPETITIONS:

CASEF, is one of six regional fairs in Pennsylvania whose purpose is to provide a venue for 7-12 grade students to showcase their student research projects.

Capital Area Science and Engineering Fair (CASEF)

CASEF will have a Science Fair Date TBA (tentative March 2024)

* Our Senior Grand Champions will move on to compete on the International level:

International Science and Engineering Fair (ISEF.) 2024 Location and date TBA

The Regeneron Science Talent Search is the nation's oldest and most prestigious science and math competition for high school seniors.

What extra steps are needed?

1. Contact Catherine Myers cf4007@gmail.com or catherine_myers@wasdpa.org before November 2023 to ensure you are registered in CASF.
2. Don't throw away your project! If you need to redo your experiment you are permitted, however you are presenting your same project to the next level of judges.
3. Complete and upload the needed forms for CASEF into STEMWIZARD by the given deadline. If you tested any type of living organism you will need to be prequalified into CASEF. Please visit ISEF for more information about the following forms:
 - a. Form 1 Checklist for Adult Sponsor To be completed by you and your guardian or teacher
 - b. Form 1 A Student checklist completed by you and your teacher

- c. [Form 1 B Approval form](#) (needed for any experiment that involves a living organism- needs to be completed prior to December 2023)
 - d. [Form 1 C Regulated Research Institute](#) (needed if you performed your research in a research setting IE college lab or office)
 - e. [Form 2 Qualified Scientist](#) To be completed by you and an adult with a science background that helped you with the experiment
 - f. [Form 3 Risk Assessment](#) to be completed by you and the adult with a science background that helped you with the experiment
4. Other forms that might be needed if your experiment involved the following:
- a. Human testing:
 - i. [Form 4 Human Participant](#) to be completed by a qualified scientist if humans are being used in your experiment
 - ii. [Sample Consent](#) form to be completed by human participants
 - b. Vertebrate test subjects (complete one of the 2):
 - i. [Form 5 A Vertebrate Animal](#) to be completed if you are experimenting on a vertebrate in a non research facility
 - ii. [Form 5 B Vertebrate Animal](#) to be completed if research was completed at a research facility
 - c. Microorganism, rDNA2, living or frozen tissue (complete both forms)
 - i. [Form 6 A Potentially Hazardous Biological Agents Risk](#)
 - ii. [Form 6 B Human and Animal Vertebrate Tissue Form](#)
 - d. Continuation of a previous science fair winning project
 - i. [Form 7 Continuation](#) form to record prior and new research
5. After your information is approved and you have a project number for CASEF you will be asked to complete the following prior to display day:
- a. [An abstract](#)
 - b. [Project summary and checklist](#) to be displayed with your project
 - c. [VIDEO REQUIREMENTS](#): The video allows the judges to understand your project and objectives prior to the interview portion of the judging. The video can be in any parent/sponsor approved format (Goggle, UNLISTED YouTube, etc.) and **BE NO LONGER THAN 5 MINUTES IN LENGTH** (preferably 2-3 minutes). The **project display board MUST be the background for the presentation** and the **first 5 seconds of the video** should be an **image of the display board**. The video must be student produced and if a team project, all team members must participate. Students must provide audio, but they may opt to not show their faces in the video. The project should only be **identified by the CASEF project number**. Please, **do NOT wear school uniforms, state student(s) name(s) or school**.
 - d. [Media Release Form](#) for the PSU