

Attention All Cooper Students & Families!



We've hosted a Science Fair 9 years in a row.
Let's do that and more this year!!

Get ready for the J.F. Cooper PTA Family STEAM Night!



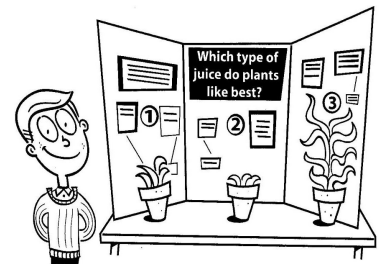
SCIENCE TECHNOLOGY ENGINEERING ART MATH

Thursday, March 24, 2022 @ 6:30pm - 8:30pm

All students from Kindergarten through 5th Grade are welcome to participate!! Choose from any of the following options that interest you:

- Create a model, diagram, artwork, or posterboard** of a topic related to science, technology, math, or engineering. (Ex: The solar system, a volcano, a diagram of a machine labeled with its parts, a poster about an animal, a model of the Earth, etc.)
- Conduct an experiment** at home and present your results on a tri-fold poster board or on sheets at your booth. You can even demonstrate your experiment to visitors.
- Research a topic and share your knowledge!** (Example: Maybe you like rocks or seashells! You can teach visitors about them. Do you like geometry? Teach us about different shapes and angles!) You can make a poster board, or make flyers, or put out samples at your table.
- Make a video** about an experiment or a particular topic.
- Have another idea?** Just ask!

Parents are encouraged to assist as needed. We will be spreading out in the school in a gallery style setting where people can go from one spot or "booth" to another. Artwork will be displayed as well. Please see the display and safety guidelines attached.



Ready to participate? Fill out the registration form attached or scan the QR code. If you need help with ideas, or if you have any questions, please contact Shazia at CooperPTAScienceFair@gmail.com.

Safety Guidelines for Experiments & Displays

Expensive / Fragile Items

Leave fragile or expensive materials at home. If it is an important part of your project, please photograph it or use a "science fair double" (something that looks like it but isn't really it) to simulate it.

Collections of Items / Loose Items

If you want to display any collections (e.g., minerals, shells, feathers, etc.), please protect them with a clear covering so they do not get lost or misplaced. Items that are displayed in front of the poster board must be adequately secured (i.e., if your project includes batteries, wire, switch and motor – secure them to a piece of plywood).



Animals / Humans

All experiments using vertebrate animals or humans as subjects should cause no harm or stress to the animal/human. No live animals may be exhibited at the fair. If desired, models, stuffed animals, and/or photographs can be used instead. Animal parts or pictures of dead or dissected animals may not be displayed. If you have a picture of someone on your display board, please cover their face.

Mold / Bacteria / Fungi

For your safety, please do not conduct experiments involving mold, fungi, or bacteria without permission from your parent/guardian. Some people, including members of your family, may be sensitive to mold and allergies, so you should not conduct experiments that may affect your/their health. It may be better to have those types of experiments outside, away from the inside air of your home or to do ones that require you to use covered containers or bags during the observation process, so that you are not exposed to the bacteria. No bacterial cultures, molds or fungi may be displayed at the fair. Pictures may be used instead.

Dangerous / Harmful Substances Chemicals

No experiments involving dangerous chemicals, controlled or illegal substances (including drugs, alcohol, or tobacco) are permitted. None of these items can be displayed either. No combustible substances may be used or displayed. Rockets or engines may not contain any of these substances.

All safe chemical displays must have the contents clearly marked on the container. If you're not sure whether a chemical is safe or not, ask a parent/guardian. Or contact the Science Fair Coordinator.

Fire / Flames

No open flames will be permitted at the science fair. Any projects involving flames or fire are discouraged and must not be conducted unless supervised by an adult.

Liquids

If projects involve liquids and you'd like to display them, make sure those liquids are secured shut. Bring liquids the night of the fair. Do not use or display unsafe liquids.

Cooper PTA STEAM Fair Registration Form

Due Monday, March 14, 2022

Teachers: Please send to Front Office to be placed in the PTA STEAM Fair Envelope

_____ YES! Sign me up for the 10th Annual Cooper PTA STEAM Fair! I can't wait! I would like to have my project displayed on Thursday, March 24 at 6:30 pm. Please keep me updated and send me and my family drop off instructions and any reminders about the fair.

_____ YES! I read the instructions and the safety guidelines. If my parents/guardians and I have any questions, we will contact the Science Fair Coordinator for help!



Student Name _____ Grade _____

Teacher _____

Parent/Guardian Name _____

Parent/Guardian Signature _____

Parent/Guardian E-Mail _____

Check off one: _____ Model _____ Art _____ Research _____ Experiment _____ Video

Title of Project (If you're not sure yet just write TBD (To Be Determined) and you can tell us later!

Description (What are you doing?)

Do you have a sibling that is also entering the fair? We can set it up so that you are next to each other.

_____ Yes _____ No

Do you have any special requests? If you'll be at a table with your project, do you need a spot near an outlet? Do you need extra space for anything?
