CES S.T.E.M. FAIR 2023

Friday, February 3 6:30-7:30p
Register by: 1/30

The CES S.T.E.M. Fair is a chance for students and their families to work together on a student project that they will share with the CES community. Projects can range from posters to actual hands-on experiments or demonstrations- get creative! This is not a competitive event, but an opportunity to explore, learn, and have fun.

Completed projects should be brought to the fair the evening of the3rd. We will begin setup at 6:00 pm. We will clean up at 7:30. Please circulate and view all of the displays, but we ask that students spend some time to present their own project. There will not be "judges" at this event -- projects are neither graded nor awarded. BUT we will have S.T.E.M. experts there to talk with you about your project and what you discovered.

We ask that you limit table space to about 24" by 30", or about the size of a tri-fold poster board. If you are in need of any special considerations, please write it in on the form below.

If you have any questions, e-mail **Amy Beaudoin at beaudoina13@gmail.com.** You can also look for information on the PTO Facebook page. We hope to see you and your family there even if you don't plan to participate!

Once you have your idea, complete the last page of this packet and bring it to school, care of the PTO S.T.E.M. Fair. Please send in the form by Monday, January 30 .

All students who participate will be entered into a drawing for some amazing door prizes, so get your registrations in!

The following information is just in case you want a guide to get you started.
You can also find lots of great ideas online.

SCIENCE —

This is what we normally think of for the Science Fair. Come up with a question that you would like to find a scientific answer for; create a hypothesis (an educated guess of what you think will happen); do experiments to test your guess; and present your findings with a demonstration or display. This could involve doing experiments or it could mean doing research about a certain question that you are interested in.

Some examples:

- Test how temperature affects plastic? Different types of plastic?
- Experiment with what types of light help grow best.
- Show sample chemical reactions and how they are used in our day to day life.

TECHNOLOGY —

Technology involves thinking through the mechanics of how something runs, or putting into practice a new innovation, often putting science and math together.

Some examples:

- Computer coding
- Demonstrate how to use a particular technology (something like: how to make a Power Point presentation, how to make or create a particular computer game/program)
- Explain what different components of a device do or how they work

ENGINEERING —

When we think of engineering, we think of building something or figuring out how things fit together. Engineers are the people who design and figure out how to build our bridges, buildings and products.

Some examples:

- Build a model of something out of legos, popsicle sticks, or toothpicks
- What can you design to help make life easier around your home?
- Do you have an interest in dirt? Find out what civil engineers do.

MATH —

Math is playing with numbers. Is there a particularly hard math problem that you can solve, or a math concept you would like to explain?

Some examples:

- How much would you weigh on the moon? on Mars?
- Calculate how fast the International Space Station is traveling
- The volume of different shaped containers

Forms MUST be sent by Monday, January 30th **in care of the PTO S.T.E.M. Fair.**

CES S.T.E.M. FAIR REGISTRATION

Name:_____

Teacher:_____

Grade:____

Please circle one category where your project will best fit:

Science **T**echnology **E**ngineering **M**ath

Question you are trying to answer or concept you will explain:

_____
_____

Brief description of project (indicate use of liquids):

_____
_____
_____
_____
_____

Special Needs:

Against the Wall___

Outlet___**(don't forget your extension cords!)**

Other_____