

2ND ANNUAL STEAM FAIR

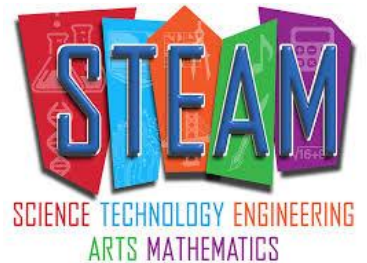
**April 11, 2019
6:30 PM**

WHAT IS A STEAM FAIR?

A STEAM Fair is a twist on the Science Fair, but instead of just science projects being accepted you can choose to do a variety of STEAM related projects that interest you.

Applegate's second annual STEAM fair is on April 11, 2019.

You can choose from many different types of projects and topics.



HOW DO I GET STARTED?

All great projects start with great questions, but first pick a subject/topic you like!

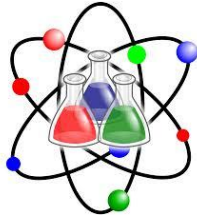


Ideas are all around you!

TYPES OF PROJECTS

Science Project

This is the classic Science Fair project. Think of a question that you could answer by setting up an experiment. Make a hypothesis (informed guess/prediction) about the answer to your question. Then use the scientific method to design and implement an experiment that will attempt to answer your question.



Technology Project



This project will allow you to show off your interest in all things technology! You could explain how a computer works or maybe you have built a robot that you would like to show off to your classmates! Maybe you would like to take apart an everyday household item and explain how all the parts work together to do its function. Perhaps you created something in Minecraft that you could share. Any of these topics and more could be presented as part of a technology project!

TYPES OF PROJECTS

Engineering Project

An engineering project involves problem solving. This project will showcase your ability to build (maybe something out of recycled items, Legos, Keva planks, popsicle sticks, and more). Perhaps you could improve a useful object. You may have even created a Rube Goldberg Machine!



Art Project

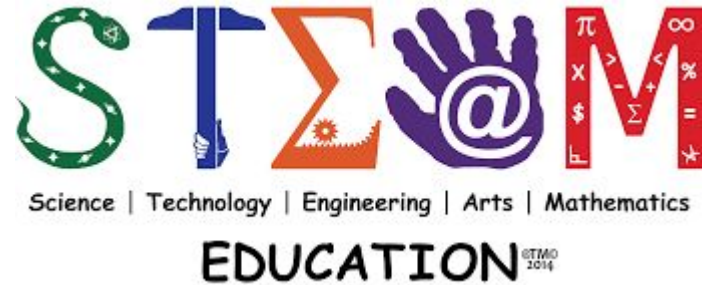


There are different ways to participate in this category. Can you create art using a computer or other technology, such as Minecraft? Perhaps you can draw and label scientific illustrations of inventions. You can create sculptures using recycled items that you collect from your home! You can create anything you like with any material you like. However, the only thing that is required is the topic of your art be related to science, technology, engineering or math.

TYPES OF PROJECTS

Math Project

This project will show off your interest in anything related to numbers and how they are used in our world. You might make a game that requires the players to solve math equations or fact. You could show number patterns visually, or conduct a survey through Google forms and display the results using different graphs. The possibilities are endless!



CONTINUED SUPPORT

This year we will again hold student sessions during the school day! What does that mean?

- Voluntary student session to brainstorm, problem solve, and build ideas during the Intervention period from 8:20-8:50
- Mrs. Bavaro & Mrs. Spencer will mentor students with submitted proposals
- Initial Proposal Deadline - March 11th
- Additional sessions March 14th & 29th
- Feel free to ask for help along the way!

A FEW RULES

Adult Supervision

–You must have an adult signature on your project proposal saying they are willing to supervise you every step of the way!

Safety First!

•Things you **can not** use:

- Alcohol
- Tobacco products
- Mold or Bacteria
- Science Chemicals
- Bleach
- Dry Ice
- Liquid Nitrogen
- Medicines (of any kind, including OTC)



WHAT WILL MY PRESENTATION LOOK LIKE?

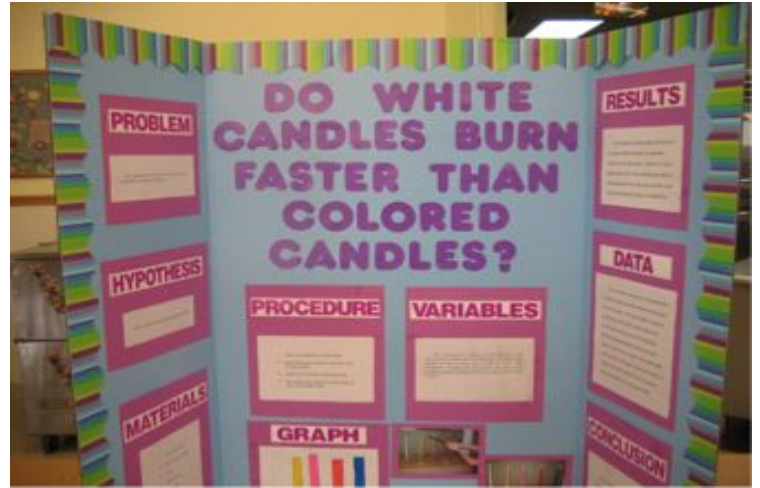
Create a Display Board

DO:

- Name It!
- Be creative
- Include Pictures & Graphs/Tables
- Use the Scientific Method (if completing a science project) or the information included in your proposal
- Write Neatly
- HAVE FUN!

DON'T:

- Skip Sections
- Squeeze too much on the board
- Count on using props
- STRESS!



Helpful Hints:

- Use a computer to type or write neatly (hand-written is great!)
- Use spray glue or glue stick
- Mounting white paper on top of colored paper helps it stand out

FREQUENTLY ASKED QUESTIONS

- ★ How do I get started?
- ★ What happens when I need help?
- ★ What type of project can I do?
- ★ What do I bring with me the night of?

HOW WILL WINNERS BE DETERMINED

- ★ There will be winners for K-2 and for 3-5
- ★ Judges will be high school student volunteers
- ★ Each category will be judged along the same criteria
- ★ Students should be prepared to describe what their project is and their procedure and/or answer judges' questions

HELPFUL RESOURCES

- ★ [STEAM Projects for Kids](#)
- ★ [STEAM Projects to Boost Creativity](#)
- ★ [The Stem Laboratory](#)
- ★ [STEAM Art Activities](#)

IMPORTANT DATES

March 11th: Deadline for STEAM Fair proposal

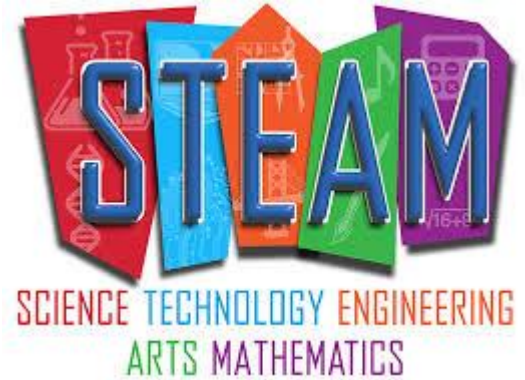
March 14th: First Student Session

8:20-8:50 in the STEAM center

Having trouble getting started? Hit a roadblock? Mentoring sessions will be held during intervention to help keep you on track. (Don't worry we're always here to help along the way!)

March 29th: Second Student Session

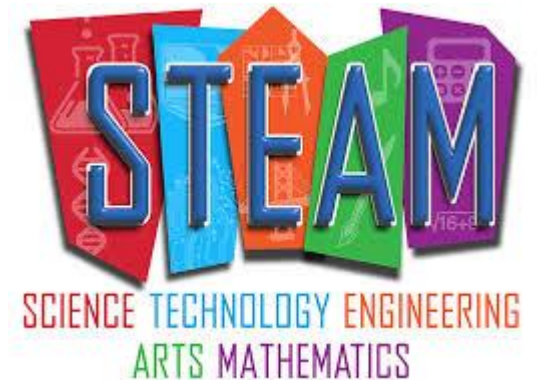
8:20-8:50 in the STEAM Center



IMPORTANT DATES CONTINUED

April 10th: Poster Drop Off 4:00-7:00 on the Stage

April 11th: [STEAM Fair!](#) 6:30-8:00 PM



CONTACT US

Jennifer Bavaro - PT0 Liaison

jenn.fenstermaker@gmail.com

Michelle Spencer - PT0 Co-President

michellespencer23@aol.com