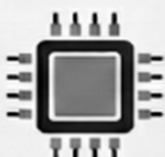




# S.T.E.A.M. fair guidelines

- **Entries MUST** be science/technology/engineering/math-related.
- **Students must make a display** showing what they did. This can be either on white posterboard or a trifold.
- **Write NAME, GRADE, and TEACHER NAME** on the display.
- **Woodmoor PTSA assumes no responsibility for lost or broken items that come to school for the STEAM fair.** Use photos or illustrations for fragile, living, or potentially dangerous materials.
- **Projects** should be brought to the classroom on the morning of **January 30th**. The event will be held in the gym from 6pm-7:30pm. **PLEASE BRING YOUR MATERIALS HOME WITH YOU AFTER!**
- The project and presentation are **the student's responsibility**. This is a fun opportunity for students to learn something new!



Sample trifold layout for a scientific investigation

QUESTION	MATERIALS	RESULTS
BACKGROUND	PROCEDURE	ANALYSIS
HYPOTHESIS	PHOTOS	CONCLUSION



STEAM fair website

**Question:** What are you curious about? The best questions for the STEAM fair are ones you can easily and safely test at home. Some examples: "Do bread slices mold faster when wet?" "Does exercise make kids better at Memory?" "How does something's weight affect how fast it falls?" Science is a creative field!

**Background:** What do you know about this subject? Use your experience and do research at the library.

**Hypothesis:** This is your best guess at an answer. Your hypothesis should be testable with an experiment. Your experiment might show that your hypothesis is false, and that's okay! Scientists learn a lot from unexpected results, and learning is more important than being right.

**Materials:** What things did you use to run your experiment?

**Procedure:** This lists the steps of your experiment. It's important you write these out before you start the experiment, and write them so other people could try the experiment too.

**Results:** What data did you collect from the experiment? What did you observe and measure?

**Analysis:** Think about your results. What happened? Did this match what you expected? Can you think of anything that may have made the experiment not work like you expect?

**Conclusion:** What did you learn? Did the experiment show your hypothesis was wrong? Remember, in science, we can't ever say if the hypothesis was correct, only if it was wrong.

**Need ideas?** There are lots of science fair books at the library and idea online!



**Woodmoor PTSA**