

STEM Fair Guidelines and Rules

Participation and Groups: Projects can be worked on and presented by an individual or group. Teams of a maximum of three members are permitted.

Safety Rules: No hazardous chemicals, open flame, torches or burners may be used. Cultures of mold and bacteria must be thoroughly sealed. Food and animals are not permitted at the fair.

Entry: The Registration form is necessary for admission. Entry ideas will be reviewed by the Mahtomedi STEM Club. The form can be accessed with the following link:

https://docs.google.com/forms/d/e/1FAIpQLSdltz-c8HEYh5r_YKmbhBmUUN2Sq3IbVfgm9BgCZxdEVRJnvg/viewform?usp=sharing

Project Form: Once projects are approved, students can complete their projects and write up their results and conclusion. Completion of this form confirms students executed their plan and reserves a table for them at the STEM fair. If students do not complete their project form they will not be included in the fair.

Support: For assistance with projects please contact maht.stemclub@gmail.com.

STEM Fair: The participants must have their project written up and displayed on a tri-fold board. The space on their table will be limited to 2 feet by 3 feet. The display must stand by itself. Students are expected to provide their own tri-fold board. All areas of STEM are encouraged to be explored. Build a robot, attempt and experiment, investigate your favorite formula, and more!

Other Info: All projects must be testable and safe. The Mahtomedi STEM Club reserves the right to ask you to change your idea based on your entry form. You are the boss of your project though so learn all you can about your topic and have fun!! If you have questions, please email maht.stemclub@gmail.com.

PLEASE READ THIS TIMELINE!!

- **Registration Form Deadline: December 16th, 2024**
- **Final Project Deadline: January 16th, 2025**
- **STEM Fair: January 16th, 2025 5:30-7:00 (set-up 5:15)**

STEM Project Procedure Checklist

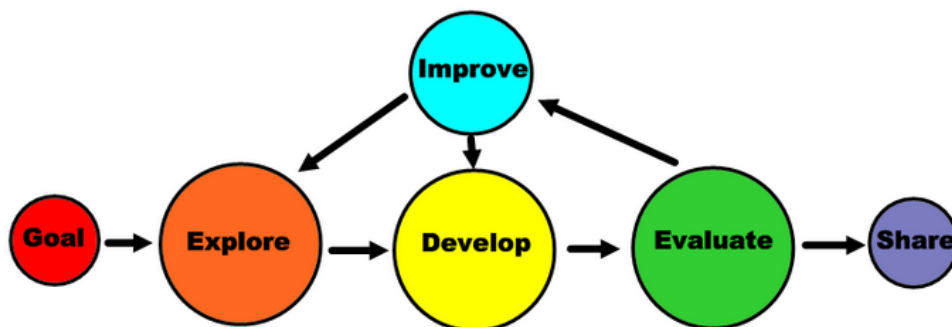
- Ask a question you can investigate yourself or think of an invention that you want to see realized.

- Complete and hand in the correct forms.
- Write down everything you do, observe and think about during your project.
- Do research on your topic (This can be research to present or technical information to aid with the creation process).
- Make a hypothesis (guess) as to what you will find to be the answer to your question or what your greatest challenge will be during construction.
- Plan a procedure for your project – how to do it and show it.
- Decide what materials you will need.
- Follow your procedure and record your observations (These could be results of an experiment or things you learned throughout your development process).
- Summarize your results and make conclusions (What happened, what you learned, and what you could have done better).
- Construct your STEM fair display.
- Bring your project to the STEM Fair for display.

Criteria for Display:

MUST include:

- Tri-Fold Display
- Summary of your process, including your idea/hypothesis, process, development (building or coming to conclusions), and any improvement.
- Photos of process and product included.
- The following process is required:



If you have any questions, reach out to the STEM Club President
Jordan Jonas at 25jonas-jordan@isd832.net.