



Tuesday March 17th, 2026

Registration: January 29 - February 13, 2026

Poster Board Trifolds will be distributed by February 19, 2026

Your Group: Students may register as individuals or with one or two other partners – no more than 3 students per project. Each student or team will be given a poster board on which to present their project.

Website: Our STEM Fair webpage contains links to the registration form and volunteer sign ups, as well as additional resources and guidelines. Visit www.saltbrookpta.com/stemfair.

Registration: Complete the registration form by February 13.

Parent Volunteers: Lots of volunteers are needed to make a great STEM Fair. If you can help out with set-up, registration, monitoring or clean up, please sign up using the [Sign Up Genius](#) which can also be found on our website.

T-Shirts: All participants will receive a 2026 Salt Brook STEM Fair T-shirt. Participants should wear their t-shirts to school and to the fair in the evening on March 17th.

Restrictions:

- Please do not use projectiles, weapons or animals of any kind in the projects.
- If using liquids, you must bring a pan to catch any spills and paper towels for clean up.
- Please do not distribute foods, samples or goods at the fair.

Questions? Email Diana Ettinger at ettingers4@gmail.com

Schedule of Events for STEM Fair - March 17, 2026

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|-----------------------|---|
| 3:00 – 4:30 pm | Register and set up poster boards after school. |
| 6:30 – 6:45 pm | Student arrival. Families not permitted. |
| 6:45 – 7:15 pm | Project interviews. Families not permitted. |
| 7:15 – 7:45 pm | Open to Guests. Parent/sibling/friends tour of projects (while students remain by posters). |
| 7:45 – 8:15 pm | Student viewing of projects. |
| 8:00 – 8:15 pm | Recognitions announced. |
| 8:15 – 8:30 pm | Clean up and take boards home. |

Thank you for participating!

Mark Your Calendars: Pizza party for participants on **April 1st, 2026**

Awards - Trophies will be distributed in a few select process award categories as follows:

- ★ **6th Grade Award** - For individual 6th graders who have participated in the fair for 4 years

- ★ **Presentation Award** - Project with the best visual presentation

- ★ **Creativity Award** - Project displaying the most creativity or uniqueness

- ★ **Green Award** - Project with the best potential environmental impact

- ★ **Impact Award** - Project with the most interesting or potentially impactful results

- ★ **Effort Award** - Project demonstrating an exceptional level of detail or effort

- ★ **Future STEM Scientist 3rd Grade** - Individual / Group in 3rd grade showcasing a promising future in the STEM fields.

- ★ **Future STEM Scientist 4th Grade** - Individual / Group in 4th grade showcasing a promising future in the STEM fields.

- ★ **Scientific Method Award** - Project with the best use of the scientific method

- ★ **Coding Award** - Project with the best use of computer programming / coding

- ★ **STEM Design Award** - Project with the best use of the STEM design process

Group Responsibilities

Project - Choose and execute a project using one of the following:

1. Scientific Method - ask a question, form a hypothesis and test it with an experiment (see pg. 5)
2. Engineering Design Process - design something to solve a problem (see pg. 6)
3. Coding Method (see pg. 7)

Board Presentation - One board will be provided to each group. Your board should be a visual representation of your project. The next few pages will specify board layouts depending on your project choice (Scientific Method, Engineering Process, or the Coding Method)

Speech - Students will prepare a brief 1-2 min speech highlighting the key components of their project, which they will present to teachers/high school student volunteers on the night of the fair. Note cards are encouraged if helpful. Your speech should include:

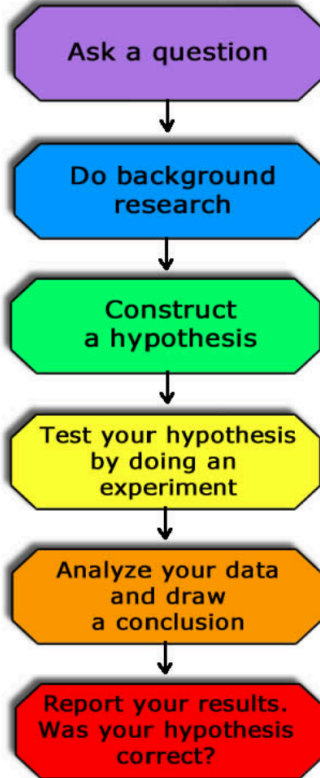
- An explanation of the title with a clear and focused purpose
- A brief description of the design or methodology used
- A brief interpretation of the data or a demonstration of your model
- A conclusion well supported by the project
- Clear and understandable speaking
- A strong demonstration of understanding the science, engineering, or programming involved in the project

Interview - Following the speech, students should be prepared to answer questions from teacher/high school student volunteers such as:

- How they arrived at their projects
- What they learned from their projects
- What they liked best about the experience

***For Scientific Method Projects ONLY**

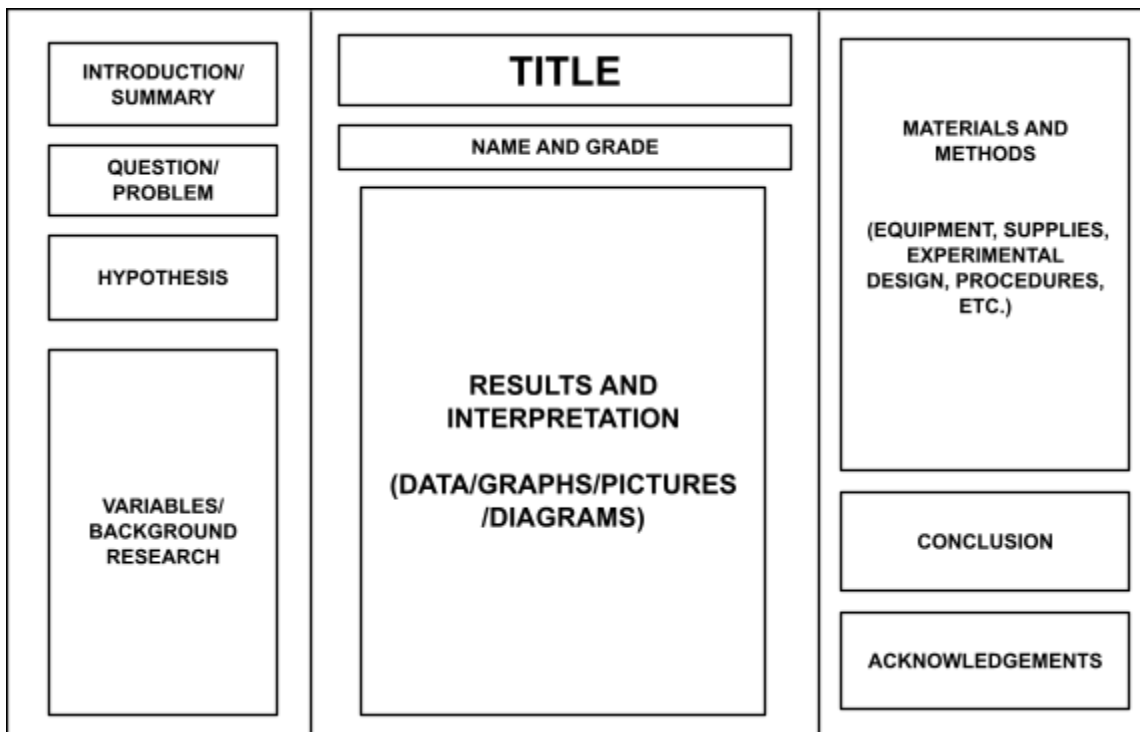
The Scientific Method



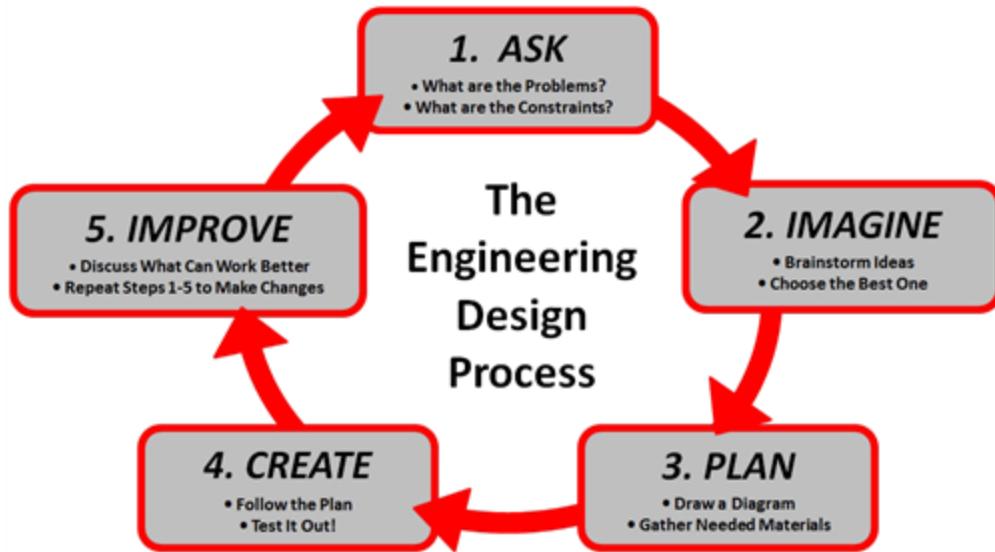
Your board should include:

- Introduction
- Title of Project
- First and last name and grade level clearly posted
- Statement of the Question or Problem
- State your Hypothesis
 - Proper Hypothesis Format: "If [this is done with the independent variable], then [the results of the dependent variable will be]"
- Identify the Variables
 - Independent Variable - the ONE factor or condition that is changed and tested by you
 - Dependent Variable - the factor or condition that is affected by the IV. It is measured or observed for data.
 - Constant/Controlled Variables - all the factors or conditions that must be kept the same in an experiment.
- List all Materials and Equipment used
- Procedures (List the steps you followed)
- Results (Show Charts, Graphs, Tables, Diagrams)
- Conclusion in CER format:
 - Claim - A statement that answers the question
 - Evidence - The scientific data and details that support your claim
 - Reasoning - Explains "how" or "why" the evidence supports the claim

Designing your board - Below is a simple example. Be sure to organize your board however best fits your project. Add any research or visual aids to enhance your overall project. Your projects should be a reflection of your own ideas or work. Be creative, neat and take PRIDE in the work you will be presenting at the fair.



*****For Engineering Design Projects ONLY*****

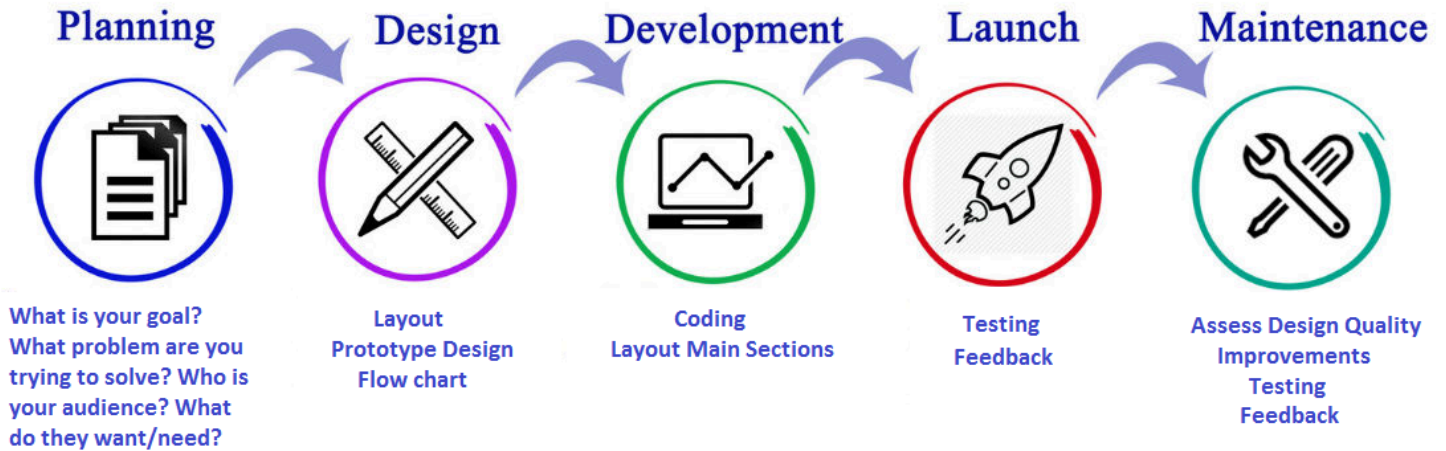


Designing your board - Below is a simple example. Be sure to organize your board however best fits your project. Add any research or visual aids to enhance your overall project. Your projects should be a reflection of your own ideas or work. Be creative, neat and take PRIDE in the work you will be presenting at the fair.

<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>ASK:</p> <p>WHAT IS THE PROBLEM YOU WANT TO SOLVE? WHO WOULD IT HELP?</p> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>BACKGROUND RESEARCH:</p> <p>WHAT DID YOU NEED TO LEARN?</p> </div> <div style="border: 1px solid black; padding: 5px;"> <p>IMAGINE:</p> <p>LIST SOME OF THE IDEAS YOU BRAINSTORMED</p> </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>TITLE</p> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>NAME AND GRADE</p> </div> <div style="border: 1px solid black; padding: 10px;"> <p>RESULTS:</p> <p>PICTURES OF FINAL PRODUCT</p> <p>HOW WAS IT TESTED?</p> <p>WAS IT HELPFUL TO THOSE WHO HAD THE NEED?</p> </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>PLAN:</p> <p>ORIGINAL BLUEPRINT HERE</p> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>CREATE:</p> <p>PICTURES AND DESCRIPTIONS OF THE FIRST BUILD</p> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>IMPROVE:</p> <p>THINGS THAT NEED TO BE FIXED</p> </div> <div style="border: 1px solid black; padding: 5px;"> <p>ACKNOWLEDGEMENTS</p> </div>
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*****For Coding Design Projects ONLY*****

Coding Design Process



Designing your board - Below is a simple example. Be sure to organize your board however best fits your project. Add any research or visual aids to enhance your overall project. Your projects should be a reflection of your own ideas or work. Be creative, neat and take PRIDE in the work you will be presenting at the fair.

<p><u>GOAL:</u> WHAT IS YOUR GOAL OR THE PROBLEM YOU WANT TO SOLVE? WHO IS YOUR AUDIENCE?</p>	<p>TITLE</p>	<p><u>TESTING AND FEEDBACK:</u> WHAT PROBLEMS DID YOU ENCOUNTER? HOW DID YOUR AUDIENCE RESPOND?</p>
<p><u>BACKGROUND RESEARCH:</u> WHAT DID YOU NEED TO LEARN?</p>	<p>NAME AND GRADE</p>	<p><u>CONCLUSIONS:</u> WERE YOU ABLE TO ACHIEVE YOUR GOAL?</p>
<p><u>DESIGN:</u> DISPLAY LAYOUT AND/OR FLOWCHART FOR YOUR DESIGN</p>	<p><u>DEVELOPMENT:</u> FINAL CODE PICTURES OF FINAL PRODUCT</p>	<p><u>IMPROVE:</u> THINGS THAT NEED TO BE FIXED</p>
		<p>ACKNOWLEDGEMENTS</p>