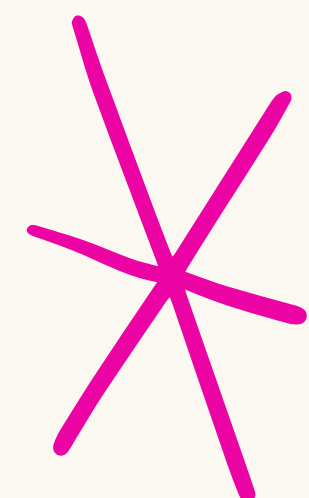
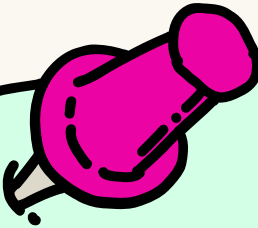




STEM Fair 2024

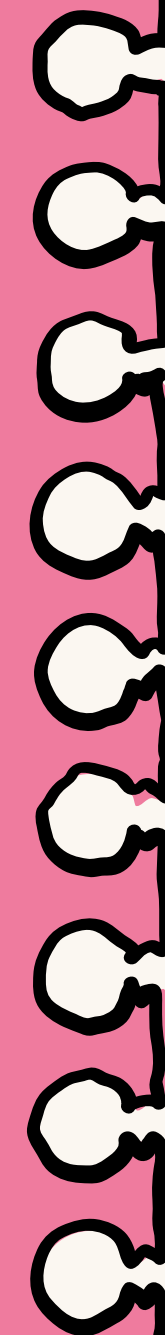
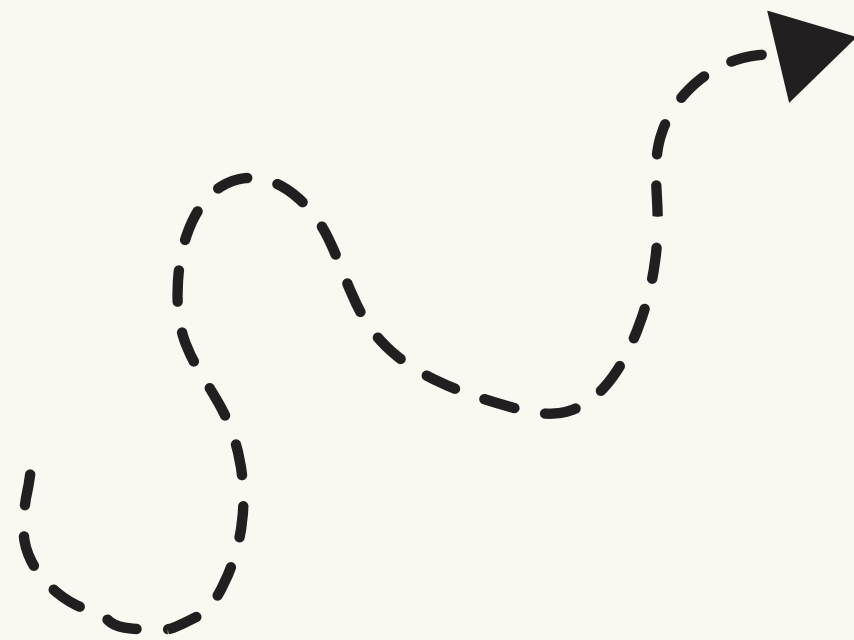
INFO NIGHT





Agenda

- What is STEM Fair
- Day of the Fair
- STEM Fair Ideas
- Additional help
- FAQ
- Timelines



1. Project Idea

- Science Experiment or Tech/Eng Idea
- Interesting research question
- Buildable ideas

4. Start your Project

- Build your project, Run your Experiments
- Document your findings
- Quantitative, Qualitative Observations
- Ah-ha moments

2. Register Project

- Project Name, Description
- Who are you working with?

STEM FAIR

APRIL 24, 2024 PUESTA GYM
5:30-8:30PM

5. Design Poster

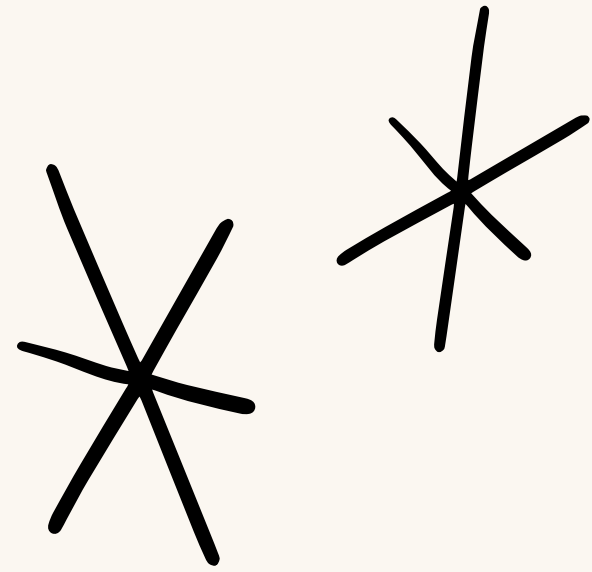
- Background
- Observations, Facts, Pictures/Photos
- Conclusions

3. Plan & Gather

- What do you need to do to test or build your idea?
- How much time will you need?
- What will you test?

6. Showcase

- Present your work
- Check out others' projects

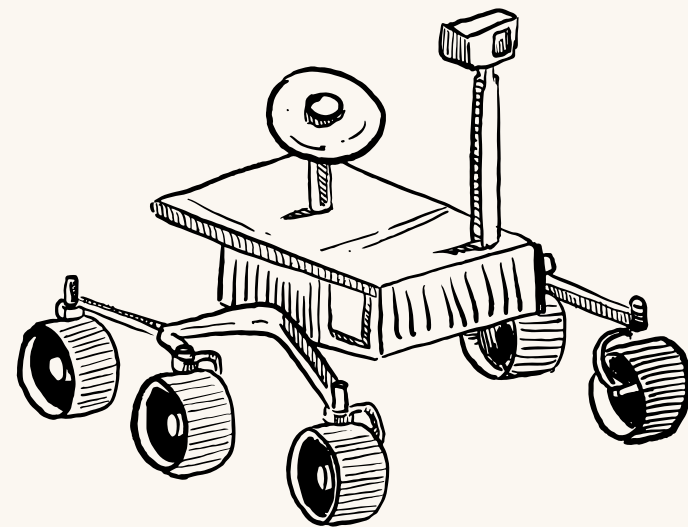


Day of the Fair



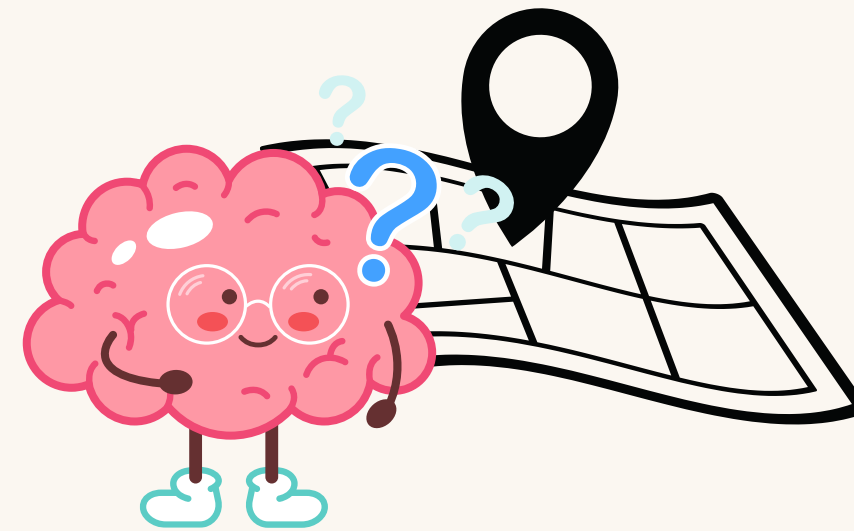
Setup your Board

Show up on time



Robotics Showcase

Bellevue HS



Visit other Projects

Stay Curious, Ask
Questions



Sensory Activities

Pre-K

STEM FAIR COMPONENTS

Purpose

- What is interesting to you? Nature, Sports, Food, Human Body?

Hypothesis

- What do you think will happen?
- Come up with a testable question?

Material List

- What was needed for your project?
- E.g. Plastic Straw, Battery, Coding

Method

- How will you test it?
 - Control vs. Change
- How will you build it?

Observations

- Make measurements, take pictures
- Data Charts, Graphs
- Demo

Conclusions & Learnings

- What did your experiment prove?
- What did you learn from this? Can this help with every day life?
- What other future ideas do you have?

EXAMPLE IDEAS

Observation:

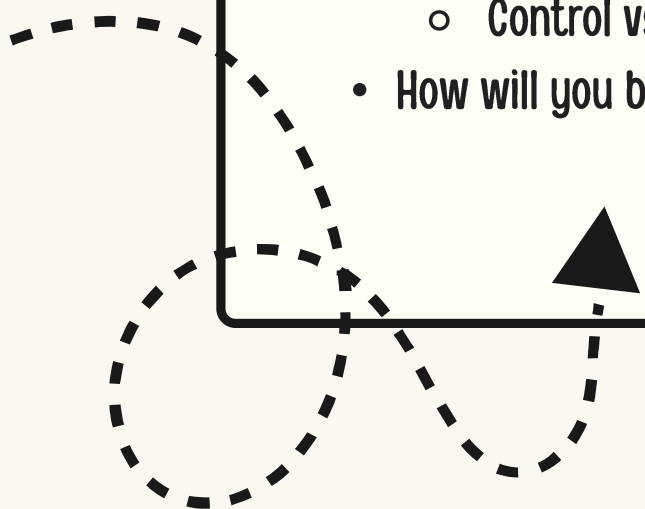
- How do animals keep warm?
- Fingerprint patterns

Experiment:

- Can we make an egg bounce?
- What is the most waterproof roof?
- Can I make magnet dance?

Engineering-based:

- Can I build a house to keep the 3 little pigs safe?
- Design Candy Delivery machine
- Design my light switch



What goes on the board?

Project Title

Facts about your topic

- 1.
- 2.
- 3.
- 4.

Resources you used

- Websites
- Books

Describe your project

- What is it about?
- Hypothesis/Objective

Results:

- Pictures
- Charts
- Observations

Method:

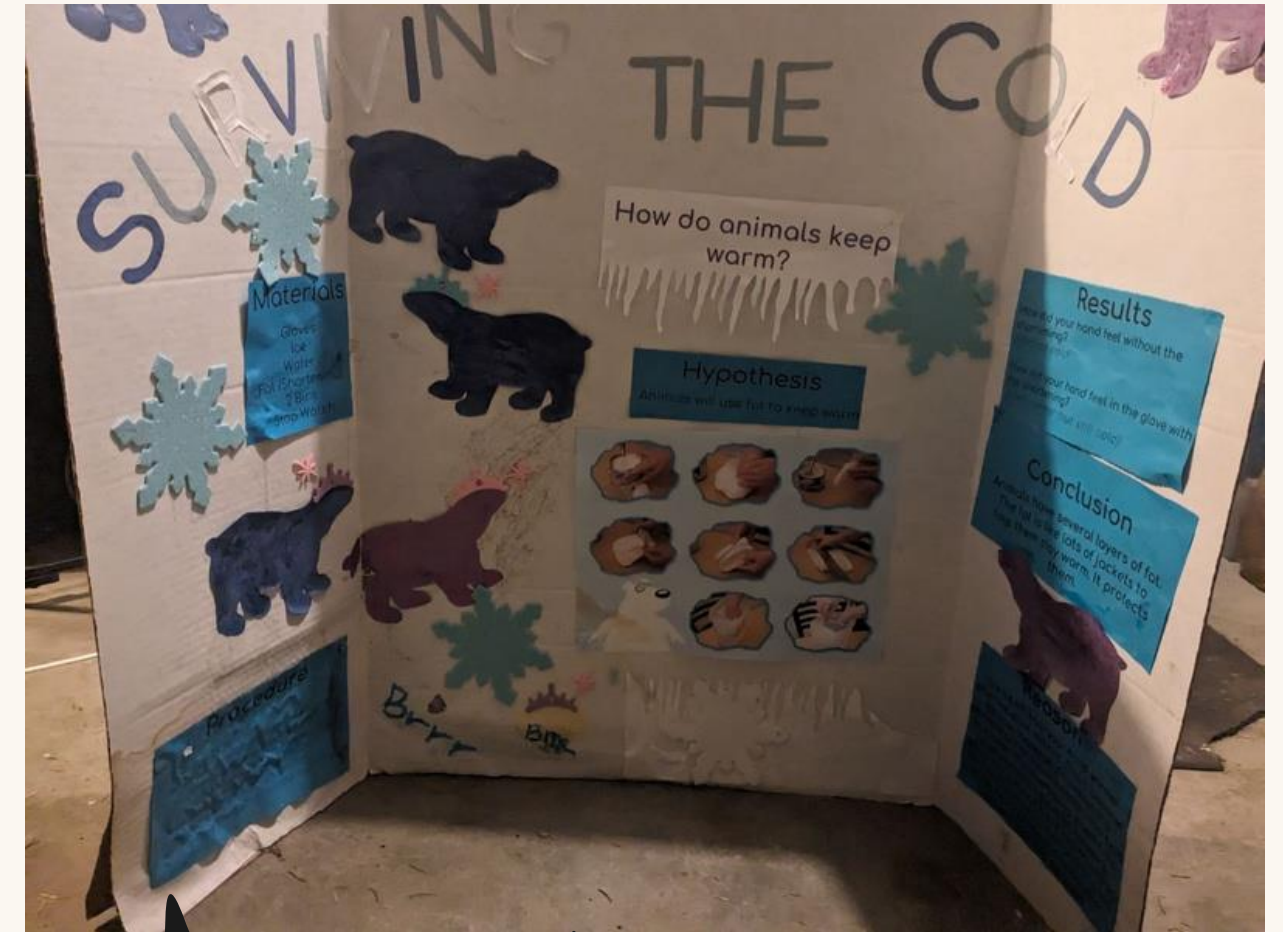
- List out the materials
- What are steps?
- How did you do it

Conclusions

- What conclusions can you make from your data?

Learnings

- What did you learn?
- If you were to do it again, what will you change?



Pro Tips:
Make it fun
Take Pictures
Attract your Friends!

From Bellevue HS Science Olympiad's



TUTOR TIME

**ADDITIONAL
HELP!**

Free drop-in
tutoring every
Saturday at
various KCLS
libraries

Help with:

- project ideas
- planning
- experiments
- scientific method
- tri-fold creation



tutortime.bhs@gmail.com

FAQ



- **WHO CAN PARTICIPATE**

All students (K-5)
Individual or group based projects
One project per student

- **SPANISH & ENGLISH**

Both, Spanish encouraged! Let us know if you need help!

- **GRADED?**

No!

- **RESTRICTIONS**

No live animals
No flammables

- **ACADEMIC CHALLENGE**

Part of Academic Challenge. Make sure you register your project!

- **WHO CAN ATTEND**

Everyone! You can come even if you did not do a project



Timelines

Date: April 24, 2024 Puesta Gym

[STEM Fair Event Page](#)

1

January

- Attend Info Session
- Start thinking about your project

2

February

- Project Registration Begins
- Pick up your Trifold
- Start planning

3

March

- Gather your material
- Start your project

4

April (April 24, 2024)

- Make sure your project is registered by April 5th
- Design your Project
- Come and have fun





THANK
YOU!

Additional Questions? Would you like to help out?

sciencefair@puestadelsolpta.org

edenhancement@puestadelsolpta.org