



Columns Science Fair 2025: Student & Family Guide

Fair Date: April 17th

Get ready to launch into an exciting journey of **scientific discovery**! This year's **Science Fair** will feature **space-themed projects** as students explore rockets, space travel, planets, solar systems, galaxies, and more! 🌍✨

Science Fair Project Requirements

- **Must be space-themed** (rockets, space travel, planets, moons, galaxies, etc.)
 - **Students must work individually** (unless both siblings are in K-3)
 - **Projects must include:**
 - A **tri-fold display board** explaining the project
 - A **physical experiment or model** to demonstrate findings
 - A **verbal presentation** to explain the project to visitors
 - **Students must dress professionally** for their presentation
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How to Organize Your Science Fair Project

A great science fair project is clear, engaging, and well-organized. Follow this format (or a variation of it that fits your experiment/ study):

1. Question & Hypothesis

- What are you trying to learn? (Example: *How do different materials affect a rocket's speed? Or Why does Jupiter have so many moons?*)
- Make a hypothesis! (Example: *I think a rocket with a pointed nose cone will fly farther than a flat one.*)

2. Research & Background

- Read books, watch videos, or check reliable websites about your topic.

3. Experiment or Model

- Create an experiment (Example: **Launch different homemade rockets and measure the distance.**)

- Build a model (Example: **Make a solar system model with planets at the correct scale.**)

4. Data & Observations

- Record what happens, collect data and take notes or pictures.

5. Conclusion

- Was your hypothesis correct? What did you learn?

6. Display Board

- Organize your board into sections: **Title, Question, Hypothesis, Materials, Procedure, Results, Conclusion**
- Include **pictures and diagrams** to make it visually engaging!

DISPLAY BOARD RESOURCES: <https://www.youtube.com/watch?v=1FbyDJXYT9s>

Examples of Great Space-Themed Projects

 *How does gravity affect craters on the moon?* (Drop different objects in sand to simulate craters.)

 *What's the best design for a paper rocket?* (Test different nose shapes and wing sizes.)

 *Why do planets orbit the sun?* (Build a spinning model of the solar system.)

 *How do different materials protect astronauts from radiation?* (Test materials with a UV light experiment.)

Science Fair Project Timeline

To stay on track. A schedule like this could be helpful:

 **Week of March 4-8** → Choose a topic & research

 **Week of March 11-15** → Form a hypothesis & plan your experiment/model

 **Week of March 18-22** → Gather materials & start building/testing

 **Week of March 25-29** → Record results & refine project

 **Week of April 1-5** → Make the display board & practice your presentation

 **Week of April 8-12** → Final touches & full practice run

 **April 17** → **Science Fair Day!** Present your amazing project!

Important Notes for Families

- Students **must work individually**, unless they are K-3 siblings.
- No open flames, hazardous chemicals, or (extremely) dangerous objects.
- Parents are encouraged to guide but should let students take the lead.
- Students should practice speaking confidently about their project.

We can't wait to see the incredible **space-themed** projects! Get ready to explore the universe and have fun with science! 🚀✨

If you have any questions, feel free to reach out. Happy experimenting!