

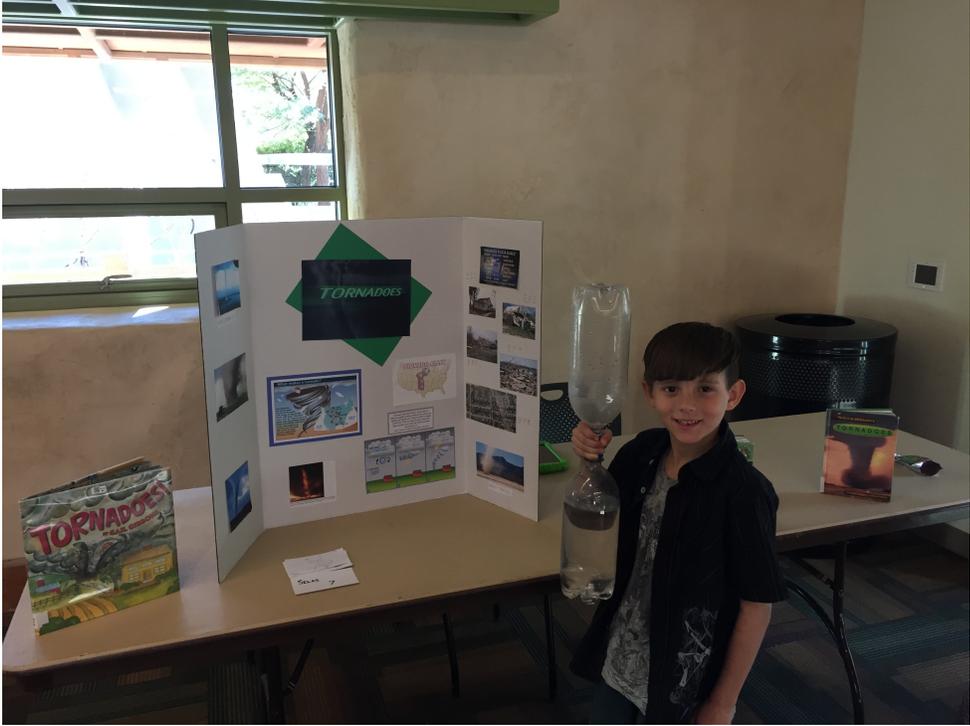
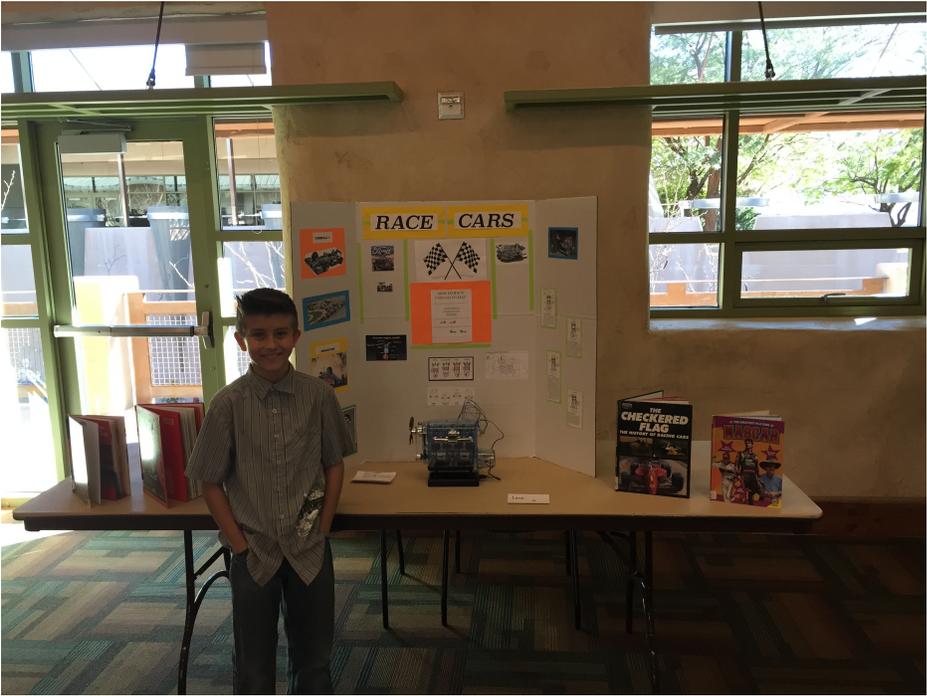
HCH Science Fair Packet

RULES:

- Most of the work must be done by the student. Parents can assist (especially younger children), but shouldn't take over.
- Board Presentations can be handwritten or typed, but they should be neat and easy to read.
- Oral Presentations should be between 2-3 minutes with one judge asking one question. Parents, please help your children to respectfully listen to the other children as they each give their presentations.
- Siblings may work together. The older student determines the age category that will be used.
- Each project will need to be on a table. The church has many tables we can borrow. They are 8' rectangles and 6' round. If you'd like a smaller table, please bring your own. You **MUST** bring your own tablecloth to cover the table. Two students may share a table if they'd like, but you may want to plan ahead for that.
- No messy active experiments; please don't demonstrate messy things. Please do any messy things at home and document them on your display board with pictures. Non-messy items for display are welcomed and encouraged!
- If your child used a book(s) for their project please bring them to display on the table.
- Please arrive to set up at Anthem Community Church by **10:30 a.m.**
- Please sign up to participate in the HCH Science Fair by **Friday, February 27th**, so we can plan accordingly.

We look forward to seeing you there!

Here are some examples of past science fair projects:



HCH Science Fair Judging Rubric

| Category | Criteria for Assessment | Max Points |
|--------------------------------|--|-------------------|
| Scientific Inquiry | Clear research question and hypothesis; thorough procedure with at least one variable and control; logical conclusion based on data. | /15 |
| Creativity & Effort | Shows original thought or a unique approach to a traditional idea; evidence that the student performed the majority of the work. | /10 |
| Visual Display | Board is neatly organized, easy to follow, and uses charts or graphs effectively to represent results. | /10 |
| Verbal Presentation | (See detailed breakdown below) | /15 |
| TOTAL SCORE | | /50 |

Detailed breakdown for Verbal Presentation:

Judges should use the following criteria to evaluate the oral portion of the project (2-3 minutes for explanation; one question asked by one judge):

- **Clarity of Speech (5 pts):** Speaks clearly and confidently without heavy reliance on note cards or the board. Uses professional posture and maintains eye contact.
- **Knowledge of Subject (5 pts):** Summarizes the background, goals, and results concisely. Demonstrates a deep understanding of *why* the experiment turned out the way it did, rather than just reciting a memorized speech.
- **Response to Questions (5 pts):** Answers judge's questions accurately and honestly. If the student does not know an answer, they should be able to say so professionally or suggest further research.

Questions Judges will Ask

"Where did you get the idea for this project?"

"What was the most challenging part of your experiment, and how did you solve it?"

"What is the most important thing you want people to learn from your results?"

"If you were to do this project again, what would you change?"

"What would you like to investigate next, if were to do another project?"

10 Tips for a Rockstar Science Fair Board

1. **Plan your layout.** Do not glue anything down on your board until you have everything laid out on the board. Double check you have all the information you need and how it will fit on your board.

2. **Organize your board like a newspaper.** As a viewer we read top to bottom and left to right. Keep your sections in the order that they need to be.

3. **Think about the balance of your text and photos.** Space out your elements evenly across your presentation board.

4. **Pick 2-3 colors.** I recommend sticking to 2-3 colors plus your background color. I would stick with white maybe or black for the

background but stay away from bright colors for the background.

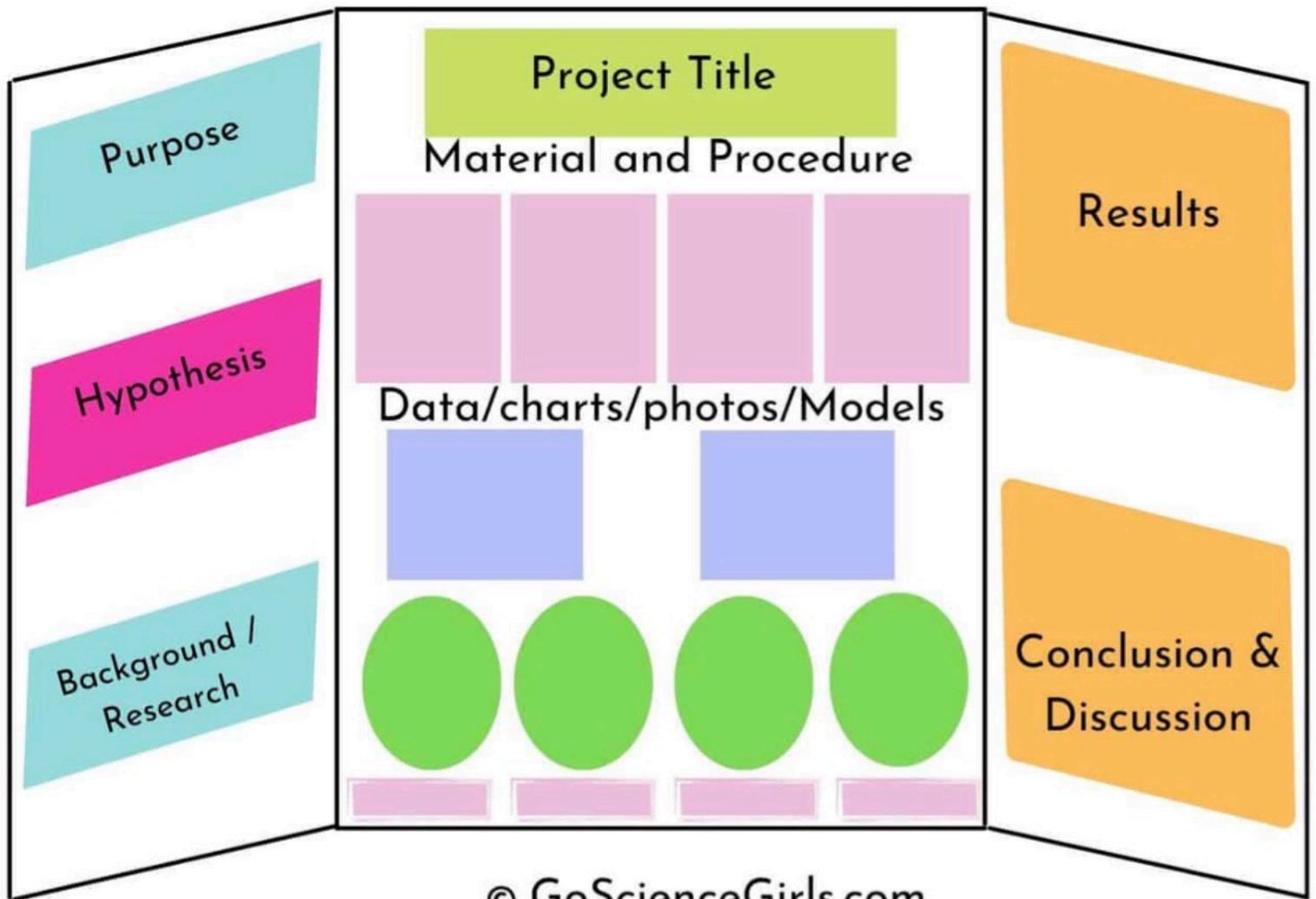
5. Stick to 2-3 different types of fonts. I also suggest sticking to classic readable fonts for your text. Save your favorite fun font for the title. You can get creative with the title but make sure people can read it from across the room.

6. Think about your font type size.

Generally 16pt type for text, 32 pt and 24 pt for headings and subheadings works well. Make the title large (possibly 150 pt but it depends on your title), you want that to be the first thing that people notice on your board. You want to entice them to come over and read about your project.

7. No reverse type. Do not use a dark background and white type...too hard to read.

8. NO ALL CAPS! It looks like you are shouting when you use all caps for text.



9. **Use visuals.** Your photos or graphs should be in focus and clear. Do not lay type over the top of them. People like to see the photos and visuals to understand more about your project.

10. **Have fun, be creative.** Science and art go hand in hand. Many of the top inventors also had an artistic side. Don't be afraid to use that creativity to make new discoveries.

<https://innovationkidslab.com/science-fair-boards/>