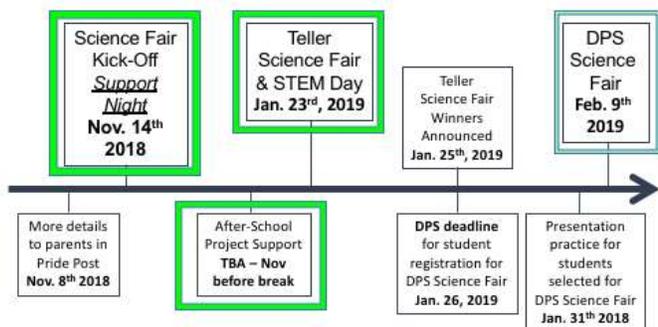


We hope the Science Fair and projects are fun for Teller Scholars and families!

**For each step in the journey**, there will be student and family friendly resources to

- Explain the steps in the process,
- Provide resources, ideas and models of each of the steps, and
- Ways to keep it all as simple as possible.



**What do I need to do? What can I do?**

- All students will do an experiment in class to experience the scientific method.
- All Grades - The science fair project work will be done at home.
- 3-5<sup>th</sup> grades – Individual or Group projects ARE required.  
Teachers will give a handout and introduction in class & Check topic “doability”  
Direct questions to science teacher.
- K-2<sup>nd</sup> grades - NOT required to do a project, but may chose to do one.  
Mr. Kraft & Ms. Sackett will help with logistical questions  
Kara Lukin can help with project questions (iamkaralukin@gmail.com)

**For this journey, we need directions called the scientific method. 5 basic steps:**

1. Select a topic or a question that interests you.
2. Gather information – What do you need to know to answer your question? Track your sources in case you need to review them (write book/author names; bookmark websites).
3. What do you think the answer to your question will be (aka- what’s your hypothesis)?
4. Test your hypothesis with an experiment & record your observations/collect your data.
5. Make conclusions based on the results of the experiment.

**Step 1 - Strategies for selecting a topic by brainstorming**

The key is selecting something that is interesting and fun for you.

- What do you like to do? • Is there something that you have wondered about?
- What questions do you have during the day without even realizing it?
  - Why can I throw a tennis ball farther than a basketball?
  - Why won’t the teachers let us have candy for snack time?
  - Why are all the butterflies around some plants and not others?
  - Why do we sort our waste in the lunchroom? What happens to it?
  - Why couldn’t we play on the grass in the schoolyard?

Then, start thinking a little about personal logistics and SAFETY:

- Is it possible to complete the project in time for the fair?
- Is this doable and SAFE for me with just a little help from an adult?
- What could you change to make your project possible?

Reference: Henderson, J. and Tomasella, H. (2002) So You Have to Do a Science Fair Project. Hoboken: Wiley & Sons.