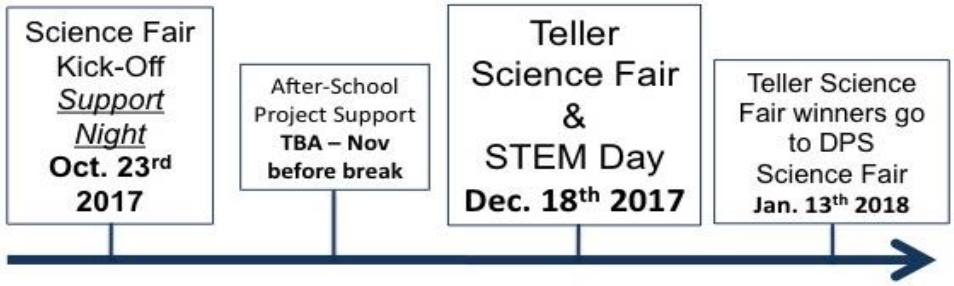
We hope this year's Science Fair and projects can be fun for Teller Scholars and their parents!

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.
- 3-5th 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-2nd 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.