

Term 2 - Testable Question Project Grades K-2

1. Choose a testable question (a question that can be tested). Here are some examples:
 - Does the type of liquid affect how fast an ice cube melts?
 - Does changing the height of a ramp affect how far a toy car will travel?

Come up with your own testable question. **Please don't use an experiment from a book or an experiment that you have already tried in the past (no mentos or volcano experiments, please).** See the Testable Questions Ideas attachment for more ideas if you are having trouble coming up with your own.

2. Experiment

Design an experiment and carry out the experiment to test your question. Use your senses and/or some tools to make observations. Record picture, numbers, and/or words on our form or choose your own. Parents can help scribe results.

- Choose a question: What do you wonder about?
- Make a prediction: What do you think will happen? What could happen if you make changes?
- Make observations: Use your senses. Use tools such as thermometers if needed.
- Organize your observations: Keep a tally or chart or table of results.
- Make a conclusion: What did you find out? Why do you think things happened the way they did? Why is this important?

3. Put together all of the components in a way that presents your work. You could make a poster, or a model, or a PowerPoint, or a booklet or whatever form you like. Include:

- Science Experiment form
- Data organization
- Photos

4. Thinking About Thinking

This year, we've been challenging ourselves to wonder why things are important.

For this project, rather than just focusing on observations (the "during" part of the experiment), have your child spend some time with the "before" ("What I think will happen") and "after" ("What I found out"). As a family, discuss why the "before" and "after" parts are important. Also discuss why experimentation is an important part of Science and why scientists follow a process (question, prediction, observations, conclusion).

For the "What I found out" section, make sure to add a statement about something important.