

# Timpangos Elementary STEM Fair 2020

**Thursday January 23rd<sup>at</sup> 8:30 A.M.**

Dear Parents,

Our school is excited to announce that we'll hold a STEM project fair on January 23<sup>rd</sup>! All students in grades Kindergarten through 6<sup>th</sup> are encouraged to participate. Students prepare a project for display and present it for judging. They will also have an opportunity to share what they have learned with other students.

**STEM Fair School Goals:** Emphasize the use of the scientific method, to investigate through experimentation, develop critical thinking skills, allow for a positive learning experience, use mathematical concepts and processes required for personal decision making and extend the formal science education imparted in each classroom.

**Project Registration:** As soon as your student knows what project he/she is doing, register online: <http://www.123formbuilder.com/form-5074327/stem-fair-timpanogos>. If you don't have access to a computer, there will be registration forms available in the office. Registration forms must be turned in to your child's teacher or Mrs. Rabadan, 4<sup>th</sup> grade DUAL Spanish teacher.

## What is expected:

K-2 Grades:

1. Ask a question which interests the student.
2. Write down what they think the answer is to that question. (Hypothesis)
3. Gather information. Read or experiment and try to find out the real answer.
4. Draw a picture, or make a display to show what you have found out.

## What is expected:

3-4 Grades:

1. Ask a question that can be answered with an experiment.
2. Gather information and necessary equipment.
3. Write down your hypothesis (what you think will happen.)
4. Conduct one or more experiments to test your hypothesis.
5. Record the experiments and results (Data/Observation)
6. Form a conclusion.
7. Make a graph or chart showing results.
8. Present the results at the science fair.



## What is expected:

5-6 Grades:

The fifth and sixth grades students will follow the same outline as the younger students with these exceptions:

- a. Write down what research you did (including sources) to come up with your conclusion.
- b. Repeat all experiments at least three different times.
- c. Prepare a research log (detailed journal) showing all research results, dates, procedures, etc. Be prepared to talk about it!

There is a rubric for those students who choose to do an engineering project.

**Science Presentation Boards** The Office will gladly order science fair presentation boards if you submit your order and money before Dec. 12. They are \$2.75 each. You can also obtain boards at Walmart, Office Depot and Staples. **Board size required for upper grades:** 36 x 48 inches Questions about the science fair? Contact Mrs. Rabadan 801- 374-4955 ext. 2672

For **Helpful Hints** and tips to great STEM fair projects, visit: <https://provo.edu/teaching-learning/stem/stem-fair/>. The school's website will also have more information and forms to help you.