TUSD Elementary School STEAM Fair

K/1st Grade - Counting Collections

(Focus: Science & Math)

Project Specifications

Wonderings: What do I want to collect? What is the best way to organize my collection? Why is that the best way?

Requirements: Create a collection of items to be sorted 4 different ways.

Research Plan
Why did you select the items?

Scientific Thinking
What did you sort and what were the different ways you sorted them?
- Create a collection of one type of object. Example: buttons, leaves, coins, rocks, etc).
- Sort in an organized way by a physical characteristic (Ex: color, texture, shape, size, etc..).
- Sort 4 times by a different characteristic each time.

Scientist's Data and Results
How many did you have in each sort? What was the best way to sort your collection and why?
- Document what you notice about each sort - similarities, differences, more, less, etc..
- Be sure to include detailed numerical data in the form of graphs, charts, tally marks, and or drawings about all four sorted collections.
- Decide which is the best way to sort and explain why.

Visual/Digital Display
How will you share your findings?
- The collection/display may only occupy a space the size of a student's desktop (24" long and 15" deep). Collections may be mounted on a display board, cardboard/tagboard, or any reasonable manner that fulfills the size display requirements. All written requirements from above should be displayed on the board or in a Scientist's Log. (see samples)
- Students must produce their own display that is organized and clearly communicates findings.

Oral Presentation
How will you verbally explain your project?
- Must be 1-2 minutes and explain the purpose of the project and what was discovered. Presentations can be via video, but the student has to be the one explaining in the video, and student must be prepared to answer questions during the presentation about the collection, procedure, and what was learned.

***Please see scoring rubric on the back for even more details.**