**The Scientific Method**

***Building a Spaghetti Bridge***

* **Question**

Which design will build the strongest spaghetti bridge?

* **Research**

Do an online search of real bridges. Analyze the different structures and think about how this research might apply to spaghetti bridges. Discuss as a group what design features you think creates the strongest bridge.

* **Hypothesis**

Decide what you think will be the best hypothesis (your best educated guess on how to build the strongest spaghetti bridge). Record your hypothesis. Draw a picture of your bridge design.

* **Testing the hypothesis (Procedure)**

Use the spaghetti and tape to construct the bridge.

* **Collect Data and Analyze**

Evaluate your hypothesis and decide whether it was correct or incorrect. Show Ms. Brandsma how much weight your bridge can hold.

* **Conclude/ Show results**

Talk among yourselves to figure out what your results showed, how they could have improved the experiment, and what experiment they could do next to build on these results. Then, each group will share their final thoughts with the rest of the class.