Engineering Bridges

8th grade students kicked off their earthquake unit with an engineering challenge: design a bridge that can hold 250g with 22 straws and 4 feet of masking tape.

The project was so much fun most students did not realize they were using the scientific method. They designed bridges on paper, then built and tested them. "Failed" bridges were modified and retested.

Our strongest bridge held much more than the 250 g minimum – it held 5 text books before collapsing!

The most aesthetic bridge was a strong truss bridge.

After completion of the project the best bridges (along with the test weights) were given to Mrs. Moberly's so her kindergarten student could conduct their own experiments.