



TOWER CHALLENGE

Student Worksheet

Identify the Problem:

Build a tower out of the materials you are given. Create a tower that can hold the most weight.

Materials:

1 pencil. 2 rubber bands. 15 popsicle sticks. Hot glue.

Rules:

The tower must be 6 inches tall and no wider than 4 inches. The tower must have a flat top.

Brainstorm Solutions. Generate Ideas. Explore Possibilities:

Design It:

Build It: Use the given materials to create your design!

Make Adjustments: What could you do differently?



TOWER CHALLENGE

Teacher Guide

Challenge

Either individually, or in groups, students must build a tower out of the materials they are given. They will compete to create a tower that can hold the most weight.

Materials

1 pencil. 2 rubber bands. 15 popsicle sticks. Hot glue.

Rules:

The tower must be 6 inches tall and no wider than 4 inches. The tower must have a flat top.

Competition:

Students compete to see which tower can hold the most weight.

Choose items from around your classroom to test the strength of the towers. It is not necessary to weigh the items beforehand, that is up to you!

Continue to add items to the top of the tower until it crumbles. The student/group whose tower withstands the most weight wins!

Please be sure to share photos or videos of your students completing the activity!

Upload here: <https://www.dropbox.com/request/TvTdwFAJFUvjk1vnC6YT>

