

Teaching STEM through Fairy Tales

Stone Soup

The Challenge

Students are challenged to design and build a cooking pot that will hold the most soup.

The Criteria

- Cooking pots may use no more than three straws, a 12" square piece of tissue paper and 12" of masking tape.

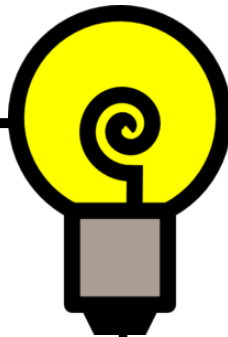
The Constraints

- Success will be determined by which pot holds the most soup (mini-marshmallows). Instead of challenging students to see which pot will hold the most, teachers may want to establish a specific number of marshmallows that the pot must hold to determine success.

The Materials

- Tissue Paper
- Masking Tape
- Straws
- Mini-Marshmallows

Think of Ideas: How do we solve the problem?



Find a Solution:
Which idea will work best?

Design:
How will we design and build it?

Test and Evaluate: How do we know we solved the problem? What can be improved?

Share your Success!