



SPAGHETTI TRIGONOMETRY

Materials required:

- > Uncooked spaghetti
- > Mini marshmallows
- > Plastic lid
- > Weights

There are 2 activities to do with these materials:

Tallest tower instructions:

1. Split into 5 groups. and divide the marshmallows and spaghetti equally between the groups.
2. Each group builds a tower using the dry spaghetti and mini marshmallows.
3. Stick the spaghetti strands into the mini marshmallows, and use them as joints. There is no right or wrong way to build the tower, but think about which shapes are strongest.
4. The group with the tallest tower wins.

Strongest structure instructions:

1. In the same 5 groups, disassemble your tower.
2. Now try to build the strongest shape you can.
3. Place the plastic lid on top of your structure
4. Line up all the group's structures
5. Take turns placing weights on top of the lid. The structure that can hold the most weight wins. For weights, you can use anything around the classroom.

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