

From a very young age most of us learn all about shapes, as well as developing a joy of building things (playing with blocks for example). However, there is not always a very good understanding on how shapes play a very strong role in how to build things that last. Here you can experiment with just that!

## Materials

Candy Gum Drops or marshmallows

Tooth picks

Paper

Scissors

Small amounts of tape to hold paper together

## Procedure

Use the toothpicks to stick into your marshmallows/gumdrops and try to build as tall a structure as possible.

Utilize paper as you see fit (hint try cutting it and rolling into small columns)

To test the strength, go grab some small weights or objects and slowly place them on your structure to see how much weight it can support!

## Additional Experimentation

How much weight can you make 1 piece of paper support 2 inches off the ground?

What shapes can support the most weight?

Using what is given, how many ways can you support your structure?