**Making an Earthquake Home**

Supplies

30 mini marshmallows

30 toothpicks

Per Class

Jello pan

**When designing your building, you must have the following:**

* At least 2 stories high
* At least 2 triangles
* At least 2 squares

When you have completed your structure, bring to the jello pan to test if it is earthquake stable.

**For the second house, you must have the following:**

* At least 3 stories high
* At least 3 triangles
* At least 3 squares

**Assessment**

Re-engineering

After you have tested their structures your group should redesign and rebuild them, then test again. What can they do to make it stronger? Did it topple? Should they make a bigger base? Make it taller or shorter? You can design and rebuild as many times as time allows.

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Drawing the Geometry

Make a drawing and label the shapes in their design (cube, pyramid, etc).

Sales Pitch!

Pretend to be a salesperson who is trying to sell their topic to someone (Example: a big manufacturer, a consumer). Imagine that you are engineers and make a flyer to convince a company to let you design a better building or structure.

**Or**

News Broadcast

With your groups, write a news broadcast about an earthquake that has hit their hometown. The broadcast should begin with something exciting to catch the listener's attention. Then tell the facts of the event.