

## STEAM Challenge 2

Unleash your inner scientist and build a tower that can withstand an earthquake. All entries can be emailed to [StPatricksSTEAM@gmail.com](mailto:StPatricksSTEAM@gmail.com) to be shared on the website. For further details read below.

STEAM stands for **S**cience, **T**echnology, **E**ngineering, **A**rts and **M**athematics. St. Patrick's is going to embark on another STEAM challenge to make our very tower that can withstand the force of an earthquake for 5 seconds.

We are going to use Microsoft DreamSpace's lesson, which can be viewed here: <https://www.youtube.com/watch?v=D3XKIHZzoN0&list=PLmXhaqDqpetLFgz0MdKT-EQYPNmAGLXQZ&index=2>

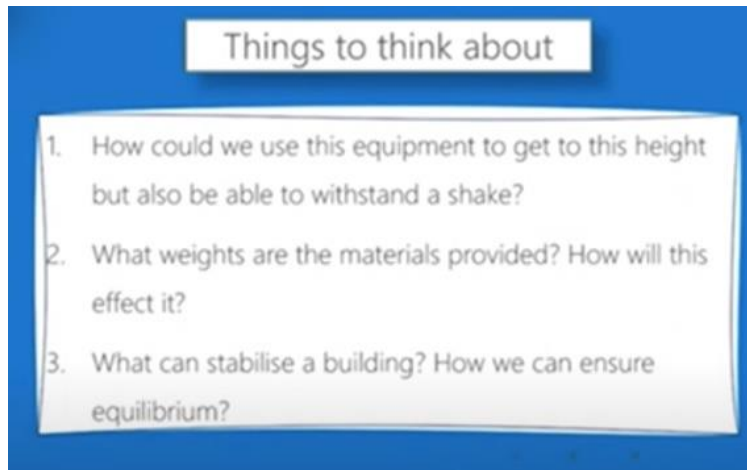
**Materials:** You will need the following materials



**Challenge:** We are asking you to build a 30cm tower that can withstand an earthquake for 5 seconds



**Considerations** Watch from 15:10 – 17: 30 on the video to learn how to best build your tower



**Method:** Watch the video from 17: 35 – 27: 50 to follow a step-by-step approach on how to build your tower.

**Test your tower:** It is time for the fun part. Place your tower on a table. Shake the table for 5 seconds. Did your tower withstand the earthquake?

Please send in your entries by Friday 4<sup>th</sup> February to [stpatrickssteam@gmail.com](mailto:stpatrickssteam@gmail.com)  
We cannot wait to see what you build!

You can view our previous STEAM challenge where we built our very own rockets here: <https://www.youtube.com/watch?v=bYZw8PKrLR4&t=5s>