



3Doodler<sup>®</sup> EDU

Design Challenge

# How Strong Is Your Geometry?

**Participant's Guide**

## 🚩 The Challenge

Test the strength of volumes—both with and without cross bracing—using only the 3Doodler pen and plastic strands.





## 🔍 More Information:

For further information and inspiration about cross bracing, visit:

- <https://www.youtube.com/watch?v=wkOlz6XI9ic>
- <http://www.wisegeek.com/what-is-cross-bracing.htm>
- <http://goo.gl/JP8Kam>

### 🖼 Images:

Cover Page: [https://upload.wikimedia.org/wikipedia/commons/4/4d/John\\_Hancock\\_Center\\_2.jpg](https://upload.wikimedia.org/wikipedia/commons/4/4d/John_Hancock_Center_2.jpg)

Fig.1: <https://goo.gl/Dz0IKP>

Fig. 2: <https://goo.gl/33wzN>

Fig. 3: <http://tccl.rit.albany.edu/knilt/images/3/34/Graphic2.png>