



3Doodler[®] EDU

Design Challenge

Jigs To Equip Your 3Doodler

Participant's Guide

▣ The Challenge

Develop a set of 3Doodler jigs that help to build spheres, arches, cones and volumes.

📅 Challenge Organization

📝 Notes

📷 Challenge Documentation

Take photos & videos of your process using a camera. Document what to do and what not to do. Share your experience with the online community using #3DoodlerEDU!

Challenges are organized into 50-minute periods so they can fit into a traditional classroom structure, or be combined into a single workshop with breaks in between activities. This Challenge is designed to have participants work in short sprints to quickly explore the concepts.

🖥️ Class 1: Warm Up

🕒 Total Time: 50 min.

🔧 Warm Up (🕒 50 min.)

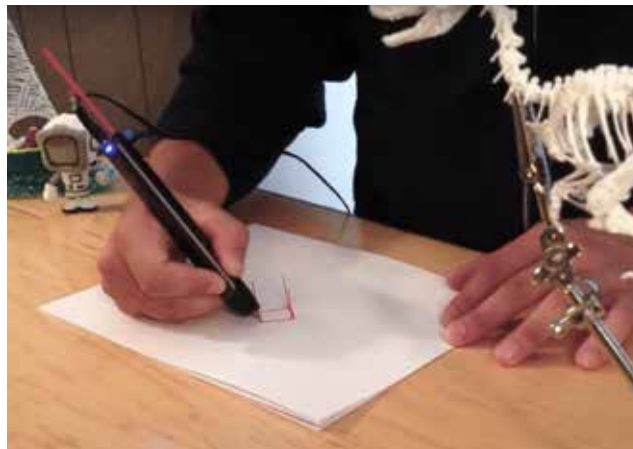


Fig. 3

🔧 Remember to Snip Those Ends

We recommend pliers or scissors for snipping plastic ends. Make sure to keep your plastic ends clean to prevent clogs and jams. Snip plastic after removing it from the 3Doodler pen to make sure it's clean for the next time.

Step 1: Watch the 3Doodler Getting Started videos first here <http://the3doodler.com/videos/>

Step 2: Practice loading in and unloading plastic strands from the 3Doodler.

Step 3: Now practice making basic shapes like triangles and cubes.

Lined area for taking notes.

🔗 More Information:

For further information and inspiration about the making and the uses of jigs, visit:

- <http://goo.gl/IRnEVZ>
- <http://www.startwoodworking.com/post/how-build-woodworking-jigs>
- <https://www.youtube.com/watch?v=lj16XnRV70>

🖼 Images:

Cover Page: <https://i.ytimg.com/vi/81qqI3OI6uA/hqdefault.jpg>

Fig. 1: https://i.ytimg.com/vi/68O_YeoXSw/hqdefault.jpg

Fig. 2: <https://upload.wikimedia.org/wikipedia/commons/4/4f/5-Axis-Waterjet-Cutting-Head.jpg>

Fig. 3: <http://the3doodler.com/videos/>