

The background is a solid black field. On the left side, there is a vertical purple rectangle. Below it, a blue shape with a rounded bottom-left corner extends horizontally to the right. This blue shape is composed of two segments: a longer one on the left and a shorter one on the right. Further to the right, there is a thin purple horizontal bar, followed by a yellow horizontal bar, and then a red horizontal bar with a rounded right end. Below the red bar, a yellow vertical rectangle extends downwards. The text '3D Printing' is centered in the upper-middle part of the image.

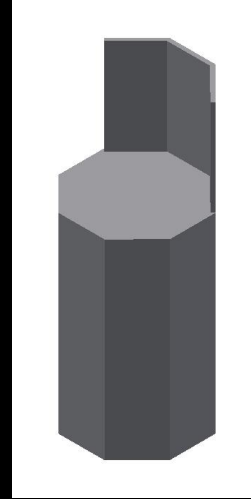
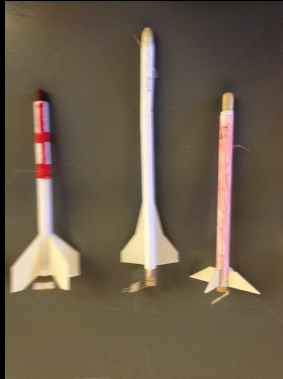
3D Printing

Use 3D printing for...

Visual Aids

Student Projects

....just about anything



Free Design Software

Thingiverse*

3DTIN

AutoDesk 123D Design

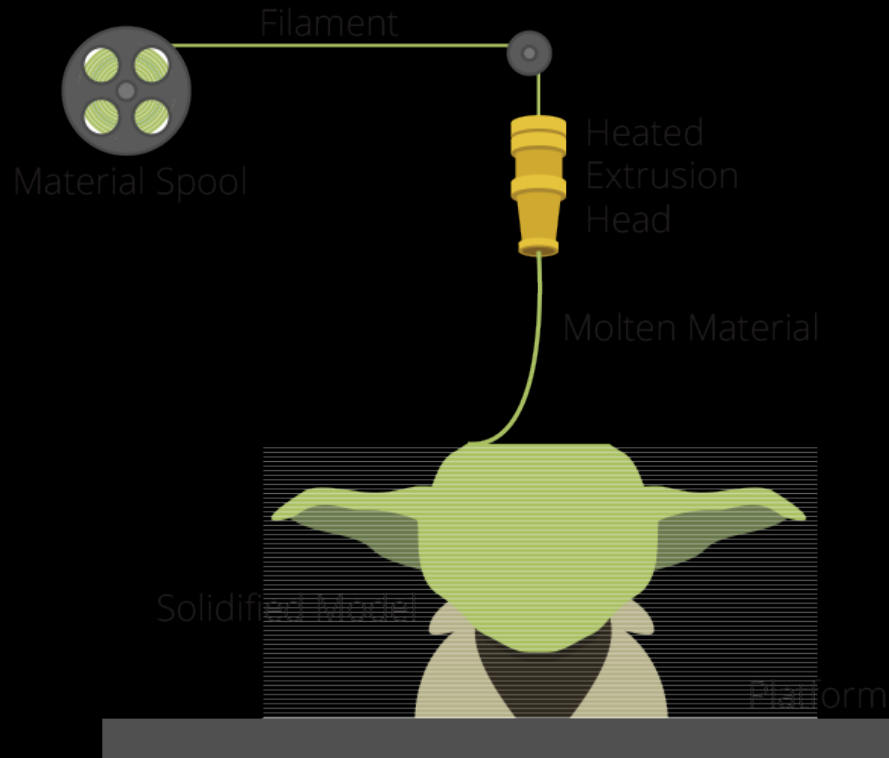
TinkerCAD

Design Something

KnotPlot

Sculptris

How 3D printer work?





Ears look great and require no support

How to 3D print

1. Create a design
2. Export it as .STL or .OBJ files
3. Use Slic3r program (if not built in printer software)
4. Upload to printer software
5. Turn on raft, support, other options
6. Print

Other Options

Makerbot digitizer

123D Catch

VisualSFM

Microsoft Kinect and Scenect

Resources



The Invent to Learn Guide to 3D Print in the Classroom

Invent To Learn: Making, Tinkering and Engineering in the Classroom