

# Lesson 6

## Creative Type

Cura allows you to drop a png or jpeg on the build plate to create STL files. In this case students design and 3D print their images or patterns to be used to create foam block prints.

### Recommended age range 8+

**Category:** Beginner lesson

**Tags:** 3D CAD, 3D printing, 3D printed, beginners, design, education, block printing, Photoshop, Cura

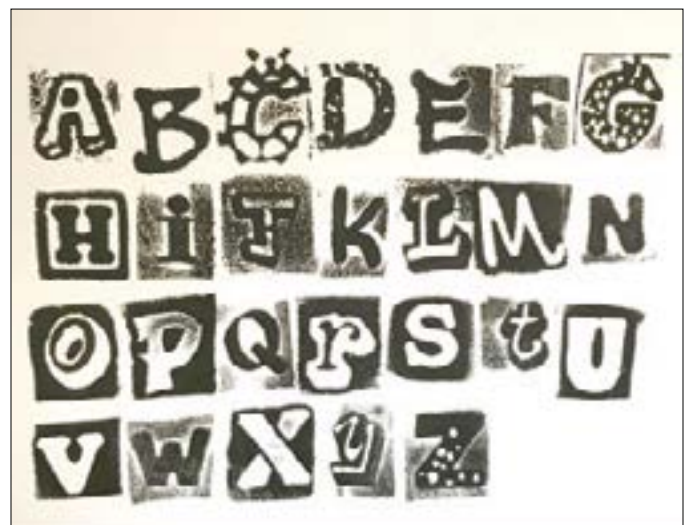
**Software:** Photoshop, Cura

**Lesson Duration:** Three to four 45 minute classes (additional time to print)

**Estimated filament use (per person):**  
~1.6-3m/~12g-24g

### PROJECT OBJECTIVES

- Produce a 3D model from a 2D design
- Understand and execute boolean operations
- Use negative, as well as positive shapes, effectively in prints
- Understand the steps in a relief printmaking technique
- Use symbols to communicate ideas
- Explore the word as a dynamic collection of interdependent letters
- Understand how typography conveys meaning and messages



See [Lesson 6](#) for Instructor Slideshows, including Lesson Overview and Walkthroughs, Student CAD help sheets, and Example files.