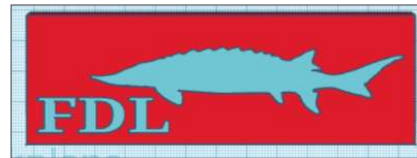# tinkerCAD 2-color print

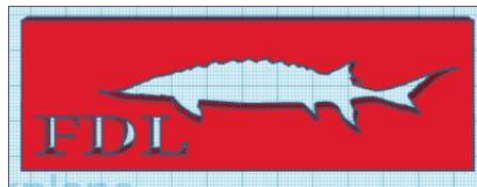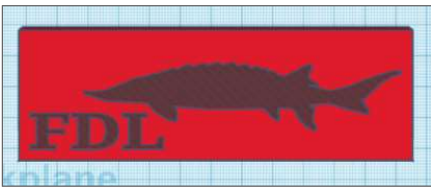## Building a model from scratch

1: Create the model as two parts, grouping objects as needed:

Once your design is finalized, do not move it or any of its pieces
around on the workplane until the remainder of this process
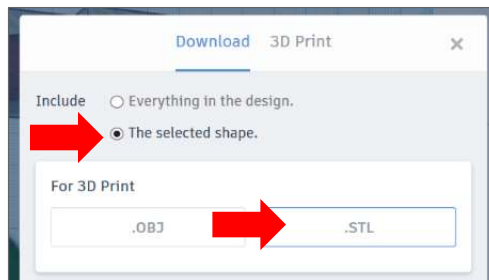is finished.

2: Prepare and save the first color

 a- Set the first color as a hole, then group the two colors

 b- With the object selected, click "Export," then with "The selected shape" checked, export as ".STL" file type

3: Use the "Undo" function to ungroup and make solid
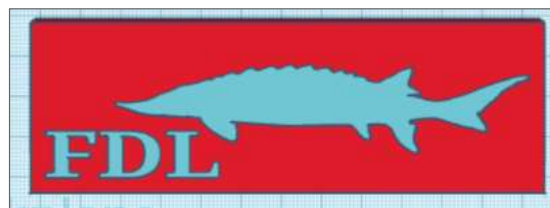
4: Prepare and save the second color

 a- Set the first color as a hole, then group the two colors

 b- With the object selected, click "Export," then with "The selected shape" checked, export as ".STL" file type
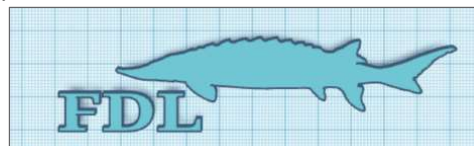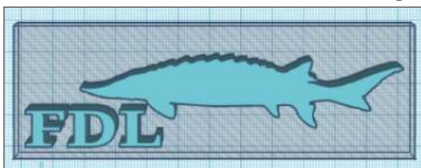
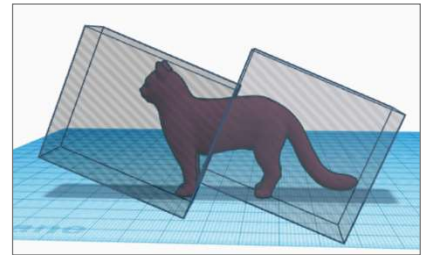**5: Use the "Undo" function to ungroup and make solid**

tinkerCAD 2-color print

Modifying an existing model

1: Download a model from thingiverse.com, youmagine.com, or any source of .stl files, then import it into tinkerCAD
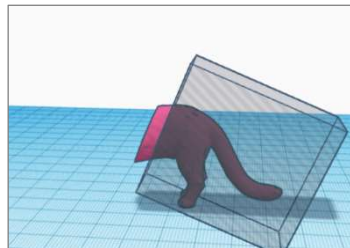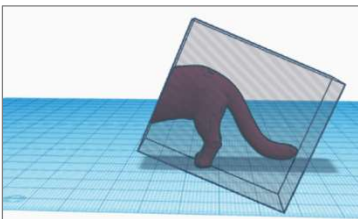
2: Create a set of hole-shapes that organizes the model into pieces for each color
    a- Rotate the view to be sure you understand what is in each shape
       and what is not
    b- The shapes should just touch each other, but never overlap
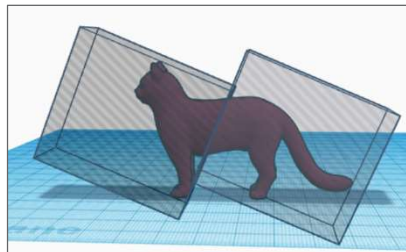   c- Do not group the parts yet

3: Prepare and save the first color
    a- Select and group the pieces that make up one of the colors. That part of the model will then disappear
    b- Move the remaining box back a bit so you can select just the model, not the box as well.
    c- With the model (and not the box) selected, click "Export" and export it as an .STL file
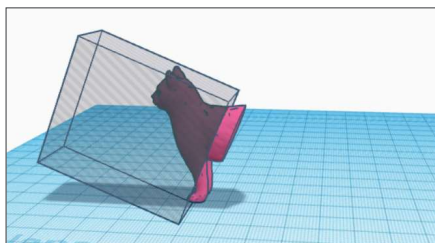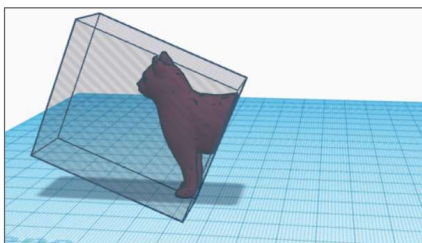
4: Return to the original setup
Use the "Undo" function to return to the original set of model and hole-shapes

5: Prepare and save the second color
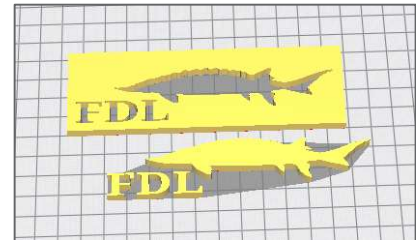Repeat the above steps, selecting and grouping the pieces that make up the other color, and saving that piece
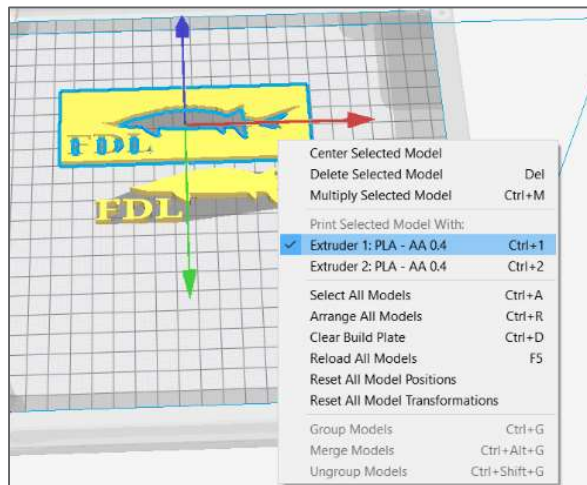
tinkerCAD 2-color print
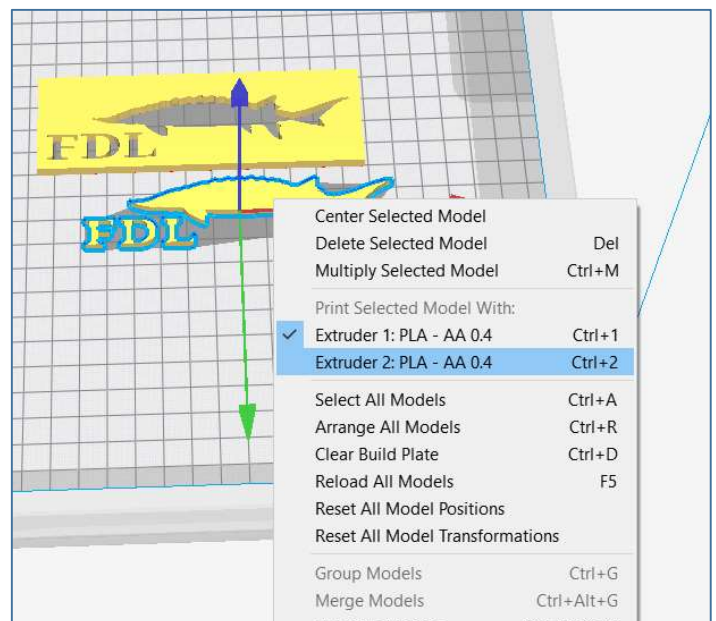
Preparing to print

- Open the two models in Cura (make sure you have the Ultimaker selected as the printer):
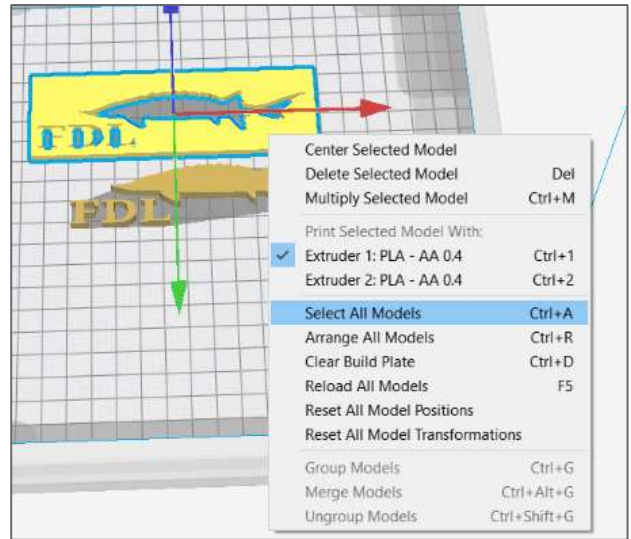
- Right-click on the first model and select "Extruder 1:"

- Right-click on the second model and select "Extruder 2:"

- Right-click on either model and choose "Select All Models:"

- Right click yet again, and choose "Merge Models:"