<u>**Check-in (6:00 – 6:10)**</u>

<u>**Review (6:10 – 6:30)**</u>

By yourself or with a partner, try to create the following shapes using what we've learned.
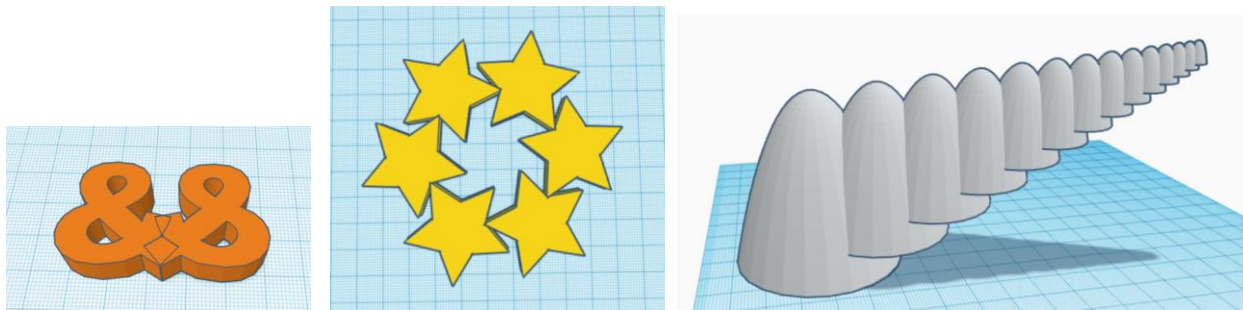
<u>**Coursework (6:30 – 7:15)**</u>

5. **Shape Generators and Special Tools**
   - **Introducing Shape Generators**
     - From the drop-down menu, go to Shape Generators → Featured.
     - Choose a shape and modify it using the shape controls.
   - **The extrusion generator**
     - From the drop-down menu, go to Shape Generators → Featured → Extrusion
     - Using the handles in the shape control panel, make a unique shape.
   - **The image generator**
     - Go to the Image Generator: Shape Generators → Featured → Image Generator.
     - Find an image online and add it to your workplane using the Image Generator tool.
   - **The Text tool**
     - Add any word to your workplane and change the font and bevel.

6. **Creating Complex Shapes**
   - **Creating a dice shape**
     - Create a dice shape using the demonstrated technique.
     - Or create another complex shape using that technique.
   - **Combining shapes to make a profile (EXTRA CREDIT)**
   - **Butting shapes together (EXTRA CREDIT)**
   - **Creating a finial shape (EXTRA CREDIT)**

- **Splitting an object**
  - Split a shape into segments using the demonstrated technique (example below)
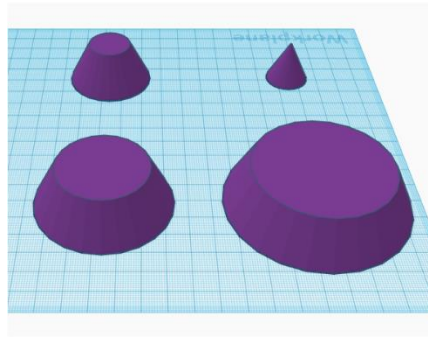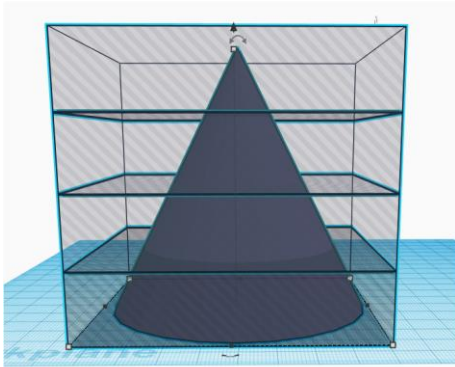
- **Slicing with hole objects**
  - Try creating a unique shape using hole objects (it doesn't have to be as intricate as the one in the demo!).

7. **Importing Assets**
   - **Importing 2D SVGs**
     - Find a simple image using Google image search.
     - Convert the image to a .svg file by going to **https://www.online-convert.com/**
     - Save the .svg file to your computer.
     - Import the image onto your workplane and modify however you'd like.

   - **Importing 3D STLs**
     - Go to **www.thingiverse.com** and download a shape (as a .stl file).
     - Import the shape into your workplane and add to it/modify however you'd like.

Independent/Partner Work **(7:15 – 8:00)**

- Watch the "EXTRA CREDIT" videos from above.
- Try a Tinkercad guided lesson. Go to: **Tinkercad homepage > Learn > Lessons > See all lessons**

or

- Start designing your own thing!