

Conception

- Noticed areas for growth in student support
 - Accessibility
 - Supplement
 - In-house-production
- 3 aims to address and implement

The SnapMaker A250 3-in-1

- 3 modes of operation
 - 3D Print, Laser Engraving, CNC
- Each mode aided with aims



3-D Printing in Academic Labs Joshua Taylor and Crissa Cooey BIOL 101L/102L Labs



Aim 2: Supplement Curriculum

- Create aids that meet students' learning needs
- Add physical component to lab activity



Aim 3: Build-Our-Own

- Produce our own speciality supplies
- Create our own attachments for less \$\$







Where we are at:

• Design phase complete for several

• Mechanical issues present with printer

• Seeking a consultant to aid with issues beyond our capabilities

• Need to secure future funding to ensure longevity of project

Where we are going:

• Summer 23 – Generate prototypes to address all 3 aims

• Fall 23 – Initial implementation and cross classroom impact comparison

• Spring 24 – Expand or revise designs based on gathered observations

Software and Online Tools:

• <u>https://touchsee.me/</u>