BANYULE NILLUMBIK
TECH
SCHOOL

MELBOURNE
POLYTECHNIC

TECH TASTER
3D DESIGN

IMAGINATION TO INNOVATION

Introduce your students to the exciting world of 3D design. In this **Computer-Aided Design** (CAD) program students learn to **create**, **manipulate**, and **visualise** where 3D models to design complex prototypes using the versatile industry-standard software.

By the end of the session, students have a strong foundation in 3D modelling; skills directly transferable to a variety of industries. This equips them for future innovation in the fields of technology, design and engineering.

Industry Links

- Engineering
- Computer Aided Manufacturing
- Industrial Design & Fabrication
- Architecture
- Healthcare

Student Outcomes

Engage Session

- **Introduce basic CAD skills** through manipulating shapes and designs.
- **Explore creative possibilities** of digital modelling and 3D production.
- **Build strong foundations** for future CAD learning.

Create Session

- **Design** functional geometry for 3D production.
- **Prepare** CAD files for different 3D fabrication methods (e.g. FDM and resin printers).

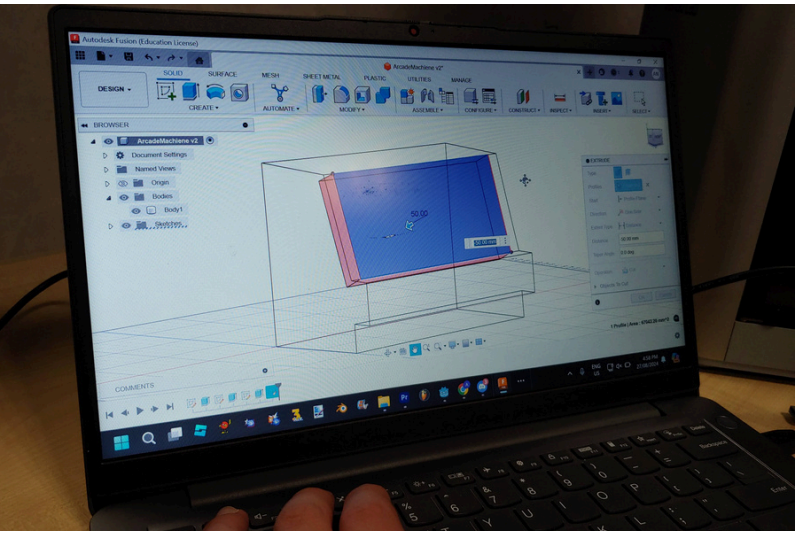
What do students and teachers say about BNTS programs?

"At first the shapes felt impossible, but once I rotated the model, it clicked. I can actually build anything."

Student, St Helena Secondary College

"It's like Minecraft, but real-world. I now understand why engineers love this."

Student, Warrandyte High School



"When students started talking about the purpose of each part of their model, not just the shape, I could see them moving from drawing to true engineering thinking."

Teacher, Diamond Valley College

Looking for an option to *deepen the impact* for your students?

This program can run across **two days**, allowing for extended projects, collaboration, and reflection. **Contact our team** to design a **two-day visit** tailored to your learners.