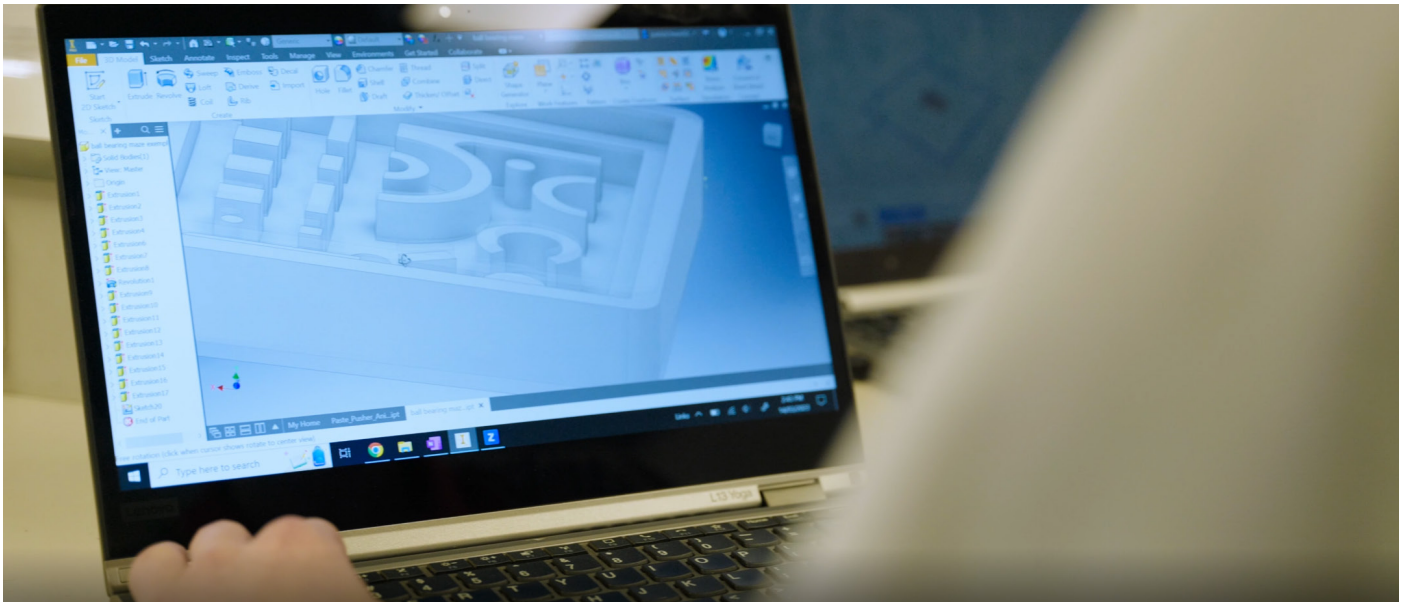
Advanced Manufacturing
Factsheet

HENLEY HIGH SCHOOL



This Design and Technology course is for students with an interest in emerging technologies, such as CAD, Control Technology, Robotics, Coding and Electronics.

With a strong focus on inquiry-based learning, students will focus on a variety of STEM related topics, which will include Engineering, Electro Technology, CAD modelling and computer aided manufacturing.

Students will develop skills in advanced manufacturing and from there will create a product that meets the needs of an identified client.

Advanced Manufacturing and Product Design provides an engaging curriculum from Year 9 to SACE. Students develop skills into Architectural and Engineering Drawing in which students learn to use industry standard computer aided design programs.

Subjects

- Year 9 Advanced Manufacturing and Product Design
- Year 10 Advanced Manufacturing and Product Design
- Year 10 Architectural and Engineering Drawing
- Year 11 and 12 Advanced Manufacturing and Product Design
- Year 11 and 12 Architectural and Engineering Drawing

Skills and knowledge gained

Students are assessed against the Design, Technologies and Engineering ACARA Performance Standards and the Design and Technologies SACE Performance Standards. Examples of assessment include:

- CAM Model
- Electronic System mode
- Solar and wind power analysis report
- Energy efficient house and sustainable systems

Career and further education opportunities

- Engineering Pathways
- Graphic Design
- Civil Engineering
- Robotics and AI
- Systems Management and Engineering
- Architecture.

More information

For more information about Advanced Manufacturing at Henley High School, please contact Kate Meakins at kate.meakins@henleyhs.sa.edu.au.

Information correct at time of publishing and is subject to change without notice. Published February 2025.

Your Journey