

Year 7 Design and Technology

Design and Technology is a subject that integrates design theory with practical workshop-based projects to give students an opportunity to design, manufacture and evaluate creative solutions to everyday problems. Using a scaffolded design process as a central framework, students are encouraged to create innovative design solutions within specific focus areas of study. These include product, systems and environmental design. The practical projects provide an opportunity for students to explore the wide range of contemporary manufacturing processes used when working with plastics, wood, metal and electronics.

Design Technology incorporates a STEM-based approach to learning (Science, Technology, Engineering and Maths) and students are introduced to Computer Aided Design (CAD) and engineering principles such as mass, drag, friction, aerodynamics and velocity.

The safe use of workshop equipment is a key concept in this course and all students are taught, and required to demonstrate, a clear understanding of Workplace Health and Safety (WHS) practices.

