

DESIGN AND TECHNOLOGY

Design and Technology may be studied as a 100-hour course (Year 9 or Year 10) or as a 200-hour (Years 9 and 10) course in Stage 5.

Course Description

Design and Technology develops a student's ability for **innovative** and **creative thought** through the planning and **production** of design projects related to real-life needs and situations. The design and development of quality projects gives students the opportunity to identify needs and opportunities, research and investigate existing solutions, analyse data and information, generate, justify and evaluate ideas, and experiment with tools, materials and techniques to manage and produce design projects.

What will students learn about?

All students will learn about the design, production and evaluation of quality-designed solutions. They will learn about a range of design processes, the interrelationship of design with other areas of study and the activity of designers over time, across a range of areas. They will develop an appreciation of the impact of technology on the individual, society and the environment through the study of past, current and emerging technologies. Ethical and responsible design, preferred futures and innovation are all dealt with through the study of design and designers.

What will students learn to do?

Students undertaking Design and Technology will learn to be creative and innovative in the development and communication of solutions to problems relating to design and designing. Students will learn to identify, analyse and respond to needs through research and experimentation leading to the development of quality design projects. They will learn to access, manage and safely use a range of materials, tools and techniques to aid in the development of design projects and to critically evaluate their own work and the work of others. Project management skills will be developed through individual design projects.

Record of School Achievement (RoSA)

Satisfactory completion of 100 or 200 hours of study in Design and Technology during Stage 5 (Years 9 and/or 10) will be recorded with a grade on the student's NESAs Record of School Achievement.