

DESIGN AND TECHNOLOGY

Description

This course is suited to students who are interested in creating products. It is an excellent follow on from the STEM program and students are encouraged to create products from a number of materials, including timber, metals, plastics, fabric or polymers. Design careers are explored, including: Architecture, Engineering, Graphic Design, Industrial Design, Furniture Design and Product Design.

Students explore the impact that designs have on society and the environment.

Design and Technology students are encouraged to use new technology within the school, including the LASER cutter and 3D printer in order to create their projects.

The Year 11 Course involves the study of design theory coupled with the design and production of minor projects with folios.

The Year 12 Course involves the students designing and making a Major Design Project of their choice, including the development of an accompanying folio of up to 80 pages, from any number of materials and media.

Assessment

This includes case studies, examinations, research and the production of a major project with an accompanying written folio.

Additional Information

There is a significant cross over of skills that take place within this course, including CAD, workshop and documentation skills.

The purpose of this is to give students exposure to a variety of technology, but allow them to develop skills in an area that will lead into preparing them for year 12 major work project. Folio development and the prototyping process will also be undertaken with an emphasis on personal interests.

Students who are highly organised, have initiative, are creative, can effectively problem-solve and who are able to meet deadlines are most suited to this course.

Fully enclosed footwear – leather upper shoes are to be worn prior to entering and during time in a technology space, e.g. Workshop.

Costs

Course fees of \$80.00 per year to cover the cost of the projects and consumables.

Students are expected to manage their own financing towards the cost of materials in Year 12.

Fees for Year 12 are \$60.00 to cover the cost of basic consumables like glue, filament and fastenings.

