

Possible Careers in Design and Technology

- *Graphic Design*
- *Software Design*
- *Architecture*
- *3D Animation*
- *Interior Designer*
- *Product Designer*
- *Engineering*
- *Fashion Design*
- *Cabinet maker*
- *Costume and Theatre Design*
- *Jeweller*



William designed a range of backpacks for young men from recycled and reused fabrics such as old shirts, jeans, bedspreads and football jumpers.

Inspiration for this project came from William's interest in sustainable living and his observation of a gap in the market for unique backpacks for young men.

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For further information please
contact
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Teacher TAS

2 unit

Design and Technology

**Category A Subject
Suitable for an ATAR**



Nicole designed a sustainable open-plan beach house for clients using the structural frames of their existing beachside cottage.

She created a modern design with many sustainable features such as fireplaces for heating and the use of water and elevation for cooling.

During the design process Nicole learnt how to use new technologies to implement her design including AutoCAD and laser cutters.

Do you love solving problems and being creative? Or maybe you keep coming up with great ideas?

If that's the case, studying **Design and Technology** could be for you.

What is design and technology?

Design and technology is an area of study that focuses on planning, designing and creating things (called "products") which people use.

While studying this subject, you will learn how to design and make anything from electronics, food, graphics, wood, metal, plastic or textiles.

Melanie wanted to create a storage device for beauty products, to eliminate the inconvenience of multiple boxes and cluttered drawers. Her trolley allows the products to be stored quickly and neatly, helping makeup artists and hairdressers maintain a tidy workstation, improve their work processes and provide a polished and professional service.



The Year 11 course will involve the design, production and evaluation of a minimum of two design projects. Each project will place emphasis on the development of different skills and knowledge in designing and producing.

Students must participate in hands on, practical activities that are designed to develop knowledge and skills in producing and designing.

The Year 12 course will involve the development and realization of a Major Design Project. Students select and apply appropriate design, production and evaluation skills to a product, system or environment which satisfies an identified need or opportunity.



Crystal designed and produced the EcoFold, a lightweight chair made from recyclable black Corflute® that can be folded for storage. The design brief included a lifecycle analysis to ensure limited waste products. Through experimentation, Crystal established the specific measurements and folds required for the success of the final product.

Areas of study:

- ⇒ Design theory and practice
- ⇒ Design production and processes
- ⇒ Marketing and research methods
- ⇒ Computer based technologies

Assessment tasks may include:

- ⇒ Design projects and folio
- ⇒ Research tasks and case studies
- ⇒ Written reports
- ⇒ Examinations

HSC External Assessment

1. Major Design Project—60 marks
2. External HSC Examination—40 marks