What is Technology Studies all about?
Technology Studies challenges you to understand and appreciate technological innovation and its impact on society. You will learn about the purposeful application of knowledge, resources, materials and processes to develop solutions to real-world design problems by generating innovative ideas and producing products.

In Technology Studies you will examine and create solutions to design problems. Design problems are based on identifying a need or responding to an opportunity.

What will you learn?
You will develop an understanding of real-world product design and production processes. Technology Studies provides opportunities for you to develop lifelong skills in strategic thinking, practical problem solving, information analysis, creative thinking and project management.

How will you learn?
Using a design process you will investigate design problems from a variety of contexts, while considering the human needs of individuals and communities, or in response to identified opportunities. You will explore and analyse design factors to develop ideas and produce products through the practical application of manufacturing technologies and materials. Products are created because they meet a need and confirm your design decisions.

Through studying Technology Studies you will develop the skills to manage resources and risks effectively to develop solutions to design problems. You will critique and evaluate ideas and products against design criteria, justify design decisions and make recommendations for improvement.

How will you be assessed?
Assessment in Technology Studies gives you opportunities to demonstrate your knowledge and understanding of how to develop solutions to design problems using a design process. You will analyse design problems and apply design factors, then develop ideas and produce products, evaluating your processes and solutions as you work.
Assessment instruments include:

- **Design folios** — These involve undertaking and documenting a design process where you develop ideas and produce products in response to a design problem. You will document your process using both visual and written communication, which may include freehand sketches, drawings, computer-generated images, photographs, animations, videos, annotations, paragraphs and extended writing.

- **Reports** — These involve analysing the relationship between a product and society, and may include proposing solutions, expressing and justifying a point of view or explaining and evaluating an issue.

In Year 12, you will be expected to complete two to three assessment responses, including at least one design folio and one other assessment.

**How can parents/carers help?**

Your parents/carers may help you by:

- discussing different views of current Technology Studies issues with you
- encouraging and helping you find suitable websites, documentaries, journals and other resources
- encouraging you to take part in school-based activities, including field trips, and extracurricular activities
- offering their services as guest speakers if they are involved in this area of study or related industry
- encouraging safe and ethical behaviour
- contacting your school to establish communication with your teachers to help understand the work undertaken at senior level, and to become familiar with assessment requirements.

**Where can Technology Studies take you?**

This subject contributes four credits towards the Queensland Certificate of Education (QCE). If you would like to learn more about this certificate, please visit the QCE page on the QCAA website www.qcaa.qld.edu.au/589.html.

A course of study in Technology Studies can establish a basis for further education and employment in the fields of industrial design, product design, civil engineering, mechanical engineering, electrical engineering, architecture and project management.

For further information about future tertiary pathways, consult the QTAC Guide to Tertiary Courses www/qtac.edu.au.

**More information**

This subject guide relates to courses developed from the Technology Studies Senior Syllabus 2013. If you would like more information please visit the subject page on the QCAA website www.qcca.qld.edu.au/20323.html or email senior.syllabuses@qcaa.qld.edu.au.