



# TECHNOLOGICAL AND APPLIED STUDIES

At Aquinas Catholic College our Technological and Applied Studies (TAS) Department strives to provide our students with learning experiences that develop their creativity, communication, collaboration, critical thinking and problem-solving skills. These skills are essential for our students to be able to participate fully in the 21<sup>st</sup> Century with the rapid rate of technological development and societal changes.

The TAS Department utilises a variety of technologies to provide students with opportunities to engage in a diverse range of innovative practical design activities/projects which are both challenging and rewarding.

Students at the Stage 4 level experience four different technologies, which they can then specialise in at the Stage 5 level. They have the ability to choose two elective subjects at that point.

Students at the Stage 6 level have the ability to concentrate their study on technologies as diverse as Food Technology, Design and Technology, Industrial Technology Timber, Software Design and Development and Information Processes and Technology.

Throughout all TAS Subjects, students develop flexible technological capability, innovative thinking, effective communication skills, team work, time management and organisational skills in design project based contexts. We engender in our students the ability to be able to consider and be aware of the impact that designers and design has upon the world.

## Subjects Offered:

### Stage 4 - Years 7 & 8

#### Technology Mandatory (Years 7 & 8)

The aim of Technology (Mandatory) is to develop students' ability to design, produce and evaluate quality solutions that respond to identified opportunities and needs. It enables students to justify solutions and to responsibly, safely and creatively use and select materials, tools and techniques.

During the two year course, students will study within the three areas of Built Environments, Products and Information and Communications. Students will complete FOUR Major Design Tasks, which provide them with practical experiences in designing, making, evaluating, using computers, communicating and managing.

Students will have the opportunity to work with a diverse range of materials and technologies.

### Stage 5 - Years 9 & 10

- Food Technology
- Graphics Technology
- Industrial Technology -Multimedia
- Industrial Technology - Timber
- Information & Software Technology
- Textiles Technology



### Stage 6 - Years 11&12

- Design & Technology
- Industrial Technology - Timber
- Information Processes & Technology
- Software Design & Development
- Food Technology
- Hospitality
- Construction



*Enlivened by the Spirit*

• WHOLENESS • HOPE • JUSTICE • REVELATION •