

Learn • Achieve • Excel • Experience

“We are further developing and expanding our hi-tech applications of microelectronics and robotics. We also recently purchased two 3D printers to add to our product manufacturing options.”



Taylor's Lakes
SECONDARY COLLEGE

Technology

Building your children's capability and knowledge about design, problem-solving and decision making to meet the needs of society and our increasingly information-rich world


Our students showing great interest in their tasks with some excellent results being produced at all year levels.

- Materials and Design
- Systems
- Textiles
- Fashion Design
- Design Innovation
- Information Technology
- Systems Engineering
- Product Design and Technology
- Food Technology

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Technology Years 7-9

Year 7: Tech

- 1 - Workshop safety
- 2 - Designing and CAD for production
- 3 - Workshop safety and processing
- 4 - Materials, energy, mechanisms and electronics
- 5 - Production tasks
- 6 - Product evaluation
- 7 - Research tasks:
energy/mechanisms/electronics

Year 7: Textiles

- 1 - Basic pattern making and embroidery
- 2 - Sewing machine use
- 3 - Textile fibre research
- 4 - Analysis, evaluation, investigation, design and production

Year 8: Tech

- 1 - Competency in workshop safety
- 2 - Designing and materials/components processing skills
- 3 - Use ICT to research, design and produce projects and reports
- 4 - Basic to intermediate circuit design and production techniques

Year 8: Info Tech

- 1 - Web design
- 2 - Spreadsheets
- 3 - Web research
- 4 - Project management

Year 9: Design and Innovation

- 1 - Product innovation strategies in material processing, marketing, advertising and packaging of products
- 2 - CAD/M 3D printing
- 3 - Create design ideas, including sketches, drawings and CAD designs
- 4 - Completion of a range of designed products

Year 9: Systems

- 1 - Use and development of technology systems in society
- 2 - Create a selection of design ideas, including sketches, drawings and CAD designs
- 3 - Completion of a range of designed products

Year 9: Info Tech

- 1 - Spreadsheets
- 2 - Robotics
- 3 - Programming

Year 9: Materials and Design

- 1 - Investigating a range of commercially designed & manufactured products
- 2 - Create design ideas, including sketches, drawings and CAD designs
- 3 - Completion of a range of designed products

Year 9: Textiles

- 1 - Fashion label research, function and aesthetics
- 2 - Design process & machine competency tasks
- 3 - Embellishment & construction techniques
- 4 - Product construction & justification of designs



Programming robots at year 9 robotics class:

At year 9 students choose from a wide range of technology single semester electives such as Design and Innovation, Systems, Information Technology, Materials and Fashion/Textiles.