"We are further developing and expanding our hi-tech applications of microelectronics and robotics."

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

ConnectEd
Food Technology
Systems
Textiles
Design and Innovation
Data Analytics
Software Development
Information Technology

Taylors 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

Taylors Lakes Secondary College
1-39 Parmelia Drive Taylors Lakes 3038

Mailing Address:
PO Box 2374 Taylors Lakes 3038

Phone: 9390 3130
Fax: 9390 3056

www.tlsc.vic.edu.au

Technology Years 7-9

Year 7: ConnectED

- **Can you really believe what you see online?**
- **Being a content creator**
- **Managing your online profile**
- **eSmart digital license**

Year 7: Food Technology

- **Understanding of kitchen skills necessary for the accurate and safe production of food products.**
- **Analyse influences on food selection and design.**
- **Learn safe food handling skills and basic food preparation techniques.**
- **Prepare a range of healthy snacks and meals.**

Year 8: Textiles

- **Basic pattern making and embroidery**
- **Sewing machine use**
- **Textile fibre research**
- **Analysis, evaluation, investigation, design and production**

Year 8: Information Technology

- **Web Design**
- **Spreadsheet Data Analysis**
- **Networking & Cyber Security**
- **Project Management**

Year 9: Design and Innovation

- Students are introduced to the process of product innovation by following the real-world process of designing, prototyping, manufacturing, packaging and marketing to possible users.
- A range of materials and production processes (including plastics vacuum forming and 3D printing) are used to manufacture
- Use of Information and communication technologies (ICT) including CAD
- Ongoing design tasks activities and research work.

Year 9: Food Technology

- Students study the key food groups, their nutritional components and functions in the body.
- Students explore the use of key foods in food preparation of meals including those with special dietary requirements.
- Students also develop skills in working cooperatively in teams
- Use safe and hygienic kitchen work practices
- Plan and make food products

Year 9: Data Analytics

- Students develop techniques for acquiring, storing and validating quantitative and qualitative data from a range of sources. They analyse and visualise data to find trends and patterns in order to make informed decisions.
- Understanding and using digital data
- Digital Coding

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 and Fashion/Textiles.

Year 9: Software Development

- Students research how and why robots are used in our society and program their own robots. Students also use programming languages for app and micro-controller development.
- Micro-control systems and robotics
- Computer programming languages
- Technology and social change

Year 9: Textiles

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