



# Exceptional Science and Technology Learning Experiences

## Develop high-quality programs in the areas of Science and Technology to address the challenges of living in a changing environment with limited resources.

- Review P–10 Science/Technology curriculum to incorporate study of local waterways and identify links within other areas of the curriculum.
- Introduce Design & Technologies (Food), in Years 5–12.
- Develop experiential learning based on food, food growing, nutrition, food preparation and cooking.
- Establish a P–10 Digital Technologies curriculum.
- Develop a link between the College STEM programs and careers in STEM.
- Develop industry links/engagement that can include mentoring.

## The Water Project

- Middle School Environmental Science Curriculum – emphasis on water quality. Longitudinal studies of the water quality of the Maribyrnong River (Keilor Campus) and Taylors Creek (Taylors Lakes Campus).
- Develop partnerships with appropriate authorities.
- Year 9 – combine longitudinal data for deeper study of the Maribyrnong River and its tributaries.
- Further use of this data and the impact on water as a resource in Year 10 Studies.
- Use of cutting edge authentic data collection and analysis systems that may be linked to broader government data banks.

## Food Technology

- Establish Food Technology in the Middle Schools of both campuses in 2019, extending into Year 9 and Senior School in 2020.
- Link with community service programs (food for homeless services, aged care, 2nd Bite).

## Establishment of a farm space on each campus

- Develop kitchen garden/farms on both campuses, specifically as part of the Junior School Science/Inquiry curriculum and with the support of grandparents.
- Support a new Food Technology program on both campuses.

