



Learn • Achieve • Excel • Experience

## Stimulating curriculum catering to varied student needs.

### Opportunities in Science at TLSC


At TLSC we offer those students interested in Science plenty of opportunities to see science in action or extend their skills. In the past this has included taking part in the Australian Science Olympiad or studying a contemporary science subject such as Bioinformatics or Nanotechnology through an online class with Emerging Sciences Victoria (through John Monash Science school). We have also connected in to special events at Universities and other organisations such as the Girls in STEM program (Ecolinc and Toyota), the L'Oreal Girls in Science Forum (Melbourne University) and STEM careers at Melbourne university experience. Our Science club gets students involved in citizen science and global projects, such as the Solar Buddy Program. So if you have a special interest in Science, there's a lot to get involved in!

Students investigate the world around them and make discoveries which are often related to their daily life experiences.

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**Science**  
at Taylors Lakes Secondary College

# Why Study Science?

Science involves the investigation of the physical and natural world through experimentation and observation. If you have ever wondered why we need oxygen to survive, how the Earth formed or what really happens during an explosion, then studying science is the way to find the answers. Students at Taylors Lakes study Science to Year 10, as required by the Victorian Curriculum, after which a range of science disciplines are offered at VCE level.

Our students engage in studies of biology, chemistry, earth sciences, physics and psychology which give them an ideal lead-in to further their scientific studies if they so wish. Scientific skills are becoming increasingly important in modern society, with the Australian Government recently releasing their 'Vision for a Science Nation' to boost STEM (Science, Technology, Engineering and Mathematics) knowledge and skills in education and the workforce.

At TLSC we aim to equip students with the tools they will need to succeed into the future through science education. This will enable our students to make informed judgements when dealing with contentious modern issues such as climate change, population growth and fossil fuel recovery.

# Pathways in Science at TLSC

Students at TLSC study a broad range of topics at Years 7-9 under the branches of biology, chemistry, earth sciences and physics. At Year 10 students are then given the opportunity to focus their studies into biology, chemistry, environmental science, physics or psychology. This, in turn, gives them a significant head-start when approaching the associated subjects at VCE level. Science skills are an important focus across science subjects at all year levels, as students are regularly required to both design and carry out their own scientific investigations.



VCE Chemistry students met with researchers and explored analytical techniques at Victoria University.

