Science Department

At St James', the Science department inspires students by sparking curiosity and encouraging inquiry-based learning through engaging, hands-on experiences that build a strong passion for science and academic excellence. Students are empowered to become innovative problem-solvers who can connect their learning to real-world applications and future career pathways.

ST JAMES' ANGLICAN SCHOOL

Science Department

Vision Statement and Goals

Vision

To inspire **curiosity**, foster **critical thinking,** and **empower** students to become informed, innovative problem-solvers who can connect scientific knowledge to real-world challenges.

With our core values at the centre of our curriculum, we aim to inspire curiosity and critical thinking in all our learners at St James' Anglican School and into their future pathways.

Pamela Souris
Head of Science

Department Goals

Curiosity and Learning

Students spark curiosity and encourage inquiry-based learning.

Real-world Application

Connect classroom learning to real-world applications and future careers.

Knowledge and Skills

Equip students with knowledge and skills to make informed decisions.

Critical Thinking

Develop critical thinkers who can analyse and evaluate evidence.

Passion and Experience

Create passion for science through engaging, hands-on learning experiences and promoting academic excellence.

A range of science subjects are covered in Years 7–10, before becoming elective options in Years 11–12, where students can choose to specialise and follow a pathway of interest. Below are some of the potential future pathways associated with these subjects:

Human Biology - Chemistry - Psychology - Physics - Marine and Maritime

Future Pathways

- Health and community services
- Sport and recreation
- Allied health assistance
- Medicine, nursing, physiotherapy, and pharmacy
- Biotechnology and forensic science
- Environmental science
- Psychology and behavioural science
- Counselling and mental health
- Social work and education
- Chemical, civil, mechanical, and electrical engineering
- Physics, aviation and aerospace
- Marine science and marine biology
- Maritime engineering
- Research and laboratory work