

ASPIRE SCIENCE - ELECTIVE

HOW WILL I BENEFIT FROM STUDYING ASPIRE SCIENCE?

Aspire Science is an interdisciplinary, project-based subject requiring students to investigate and solve problems. You will engage in a range of individual and collaborative, hands-on practical activities and learn underlying skills across a variety of disciplines. The learning is balanced through student directed and supported projects as well as field excursions, guest speakers and involvement in external competitions.

Students should be passionate about applying Science, and have strong grades in problem solving in Science inquiry skills. Aspire Science will operate as a two-year rotational program. As such, students in Years 9 and 10 will rotate through a range of topical innovation contexts.

STUDENTS WHO ARE CONSIDERING THIS SUBJECTS SHOULD:

- Be passionate about Science
- Be achieving a B or better in their Science subjects
- Be motivated and able to work both cooperatively and independently

WHAT ARE THE TOPICS IN YEAR 9?

Year 9 topics are likely to include:

- Simple Machines
- Rube Goldberg Machines
- The Stockholm Water Prize
- Bacteria

WHAT ARE THE TOPICS IN YEAR 10?

Year 10 topics are likely to include:

- Complex Machine
- Circular Economy and Sustainable Electricity
- Harmonics and Making Musical Instruments

WHAT SKILLS WILL I LEARN?

- Literacy
- Numeracy
- Information & Communication Technology Capability
- Critical & Creative Thinking
- Personal & Social Capability
- Ethical Understanding
- Collaboration
- Problem-solving

WHAT IS THE ASSESSMENT?

In Years 9 and 10 students will be formally and informally assessed on their capacity to demonstrate the links they have made between concepts and their ability to show how they have worked collaboratively.