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# SUBJECT:

# SCIENCE B

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**ACADEMY:**

**RESEARCH & DISCOVERY**

**STATUS:**

**CORE SUBJECT**

**COURSE OVERVIEW:**

Science B will be available for students who are interested in and have an aptitude for science. The course will aim to extend and challenge students in the more rigorous sciences of Biology, Chemistry, Physics and Engineering Technology and give students an insight into the Senior courses of study (preparing).

Science B is for students who have a majority of B or A levels of achievement in the Year 9 Unit “Does Matter, Matter?” and “How do living things ensure their survival?” These students may have benefited from engaging in the ELO’s: Change Horticulture, Science in our Society, Mad Scientist, Electronics. All Science courses will have an emphasis on working scientifically.

**COURSE STRUCTURE:**

Units will be based around:

- Life and Living, Health of Individuals and Communities and Earth and Beyond – Biology and Health Sciences
- Natural and Processed Materials (Structure and Behaviour of Matter) – Chemistry
- Energy and Change – Physics (a prerequisite for Maths C)
- Natural and Processes Materials with Science in Society - Extended Experimental Investigations (reactions between chemicals, predict and controlling experiments) - Chemistry

**COURSE PATHWAYS:**

These pathways will be offered within a block of time with an option of negotiating movement based on performance and resourcing.

- Science A
- Science B

**ASSESSMENT TECHNIQUES:**

- EEI’s – Extended Experimental Investigations/Assignments
- Written tests
- Practical tests
- Report Writing

**SPECIAL REQUIREMENTS:**

Scientific calculator essential. Excursions will be part of this course, and hence, incur associated costs.

There may be some degree of flexibility to enable students to move “Sciences”. This will need to be negotiated with administration and depend on placement availability.

