



Physics



# Science

---

## Stage 6

There are five Science subjects offered in Stage 6 at Waverley College for 2021:

- Biology (HSC plus ATAR course)
  - Chemistry (HSC plus ATAR course)
  - Physics (HSC plus ATAR course)
  - Investigating Science (HSC plus ATAR course)
  - Marine Studies (HSC plus vocational course)
-



# HSC Results

---

How well do our students do in the HSC?

Biology had 2 students with a Band 6 result 90+ in 2019  
(11.11% of Waverley students versus 7.31% of students in the state)

Chemistry had 4 students with a Band 6 result 90+ in 2019  
(25.0 % of Waverley students versus 16.04 % of students in the state)

Physics had 4 students with a Band 6 result 90+ in 2019  
(21.05% of Waverley students versus 12.37 % of students in the state)

In 2019, Investigating Science had the average that was the most above state average at Waverley (7.99 marks above the state average)

---



# Physics - What do I need to know?

---

You need to be in the top 30% of the Year group for Science.

You need to have studied Level 5.3 Mathematics or be placed in the top 30% of the cohort in Level 5.2 Mathematics

Minimum of 25/40 for the Motion & Energy task completed in Term 1

You need to have demonstrated consistent effort throughout Year 10 .

You need to have good mathematical and problem solving ability.

It is recommended students study Mathematics 2 Unit to successfully undertake Physics.

Necessary for many careers in Science such as medicine and many types of engineering.

---



# Physics - Preliminary Course

---

## Preliminary Course

- Kinematics
- Dynamics
- Waves and Thermodynamics
- Electricity and Magnetism

## HSC Course

- Advanced Mechanics
- Electromagnetism
- The Nature of Light
- From the Universe to the Atom
- Go to NESAs website - Science Stage 6 for more detail

[www.educationstandards.nsw.edu.au](http://www.educationstandards.nsw.edu.au)

---

