

# PHYSICS

## PHY 301

*This is an approved subject for University Entrance*

In year 13 Physics we expand on the knowledge gained from the year 12 course and delve deeper into the practical applications of the phenomena studied. We also learn how to use mathematical tools in the collection and analysis of experimental data and how this is used to build on our scientific knowledge. The course offers one internal Achievement Standard worth 5 credits and four external Achievement Standards worth a total of 19 credits.

### INTERNAL ASSESSMENT

Achievement Standard	Number	Title	No of Credits
AS 3.1	90518	Carry out a practical investigation with guidance that leads to a mathematical relationship	5

### EXTERNAL ASSESSMENT

Achievement Standard	Number	Title	No of Credits
AS 3.3	90520	Demonstrate an understanding of wave systems	4
AS 3.4	90521	Demonstrate an understanding mechanical systems	6
AS 3.5	90522	Demonstrate an understanding of atoms, photons and nuclei	3
AS 3.6	90523	Demonstrate an understanding of electrical systems	6

<b>Total number of credits offered</b>	<b>24</b>
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<b>Suggested Pre-requisite</b>	:	<b>Maths level 2 AS in Algebra and in Calculus</b> <b>Physics Level 2 Achievement Standards</b>
<b>Course costs/special equipment needed</b>	:	<b>Scientific Calculator, Year 13 Workbook \$25</b>
<b>Contact person</b>	:	<b>Mr G Cook</b>