

ASPLEY STATE HIGH SCHOOL  
SCIENCE FACULTY  
SEMESTER 1 PLANNER.

SUBJECT: 11 Physics

Week	Week Beginning	Topics Addressed
1	28/1	<b><u>Introduction to Physics</u></b> <ul style="list-style-type: none"> <li>• SI Units</li> </ul>
2	4/2	<ul style="list-style-type: none"> <li>• Calculator Usage</li> <li>• Significant Digits</li> </ul>
3	11/2	<ul style="list-style-type: none"> <li>• Accuracy and Precision</li> <li>• Error Analysis</li> </ul>
4	18/2	<ul style="list-style-type: none"> <li>• Graphical Analysis</li> </ul> <p><i>Written Test (60 mins)</i></p>
5	25/2	<b><u>Looking Good</u></b> <ul style="list-style-type: none"> <li>• Nature of Light</li> <li>• Wave Particle Duality – Polarisation of waves</li> <li>• Reflection – Plane and Curved Mirrors</li> </ul>
6	3/3	<ul style="list-style-type: none"> <li>• Refraction</li> <li>• Snell's Law</li> <li>• Dispersion</li> </ul>
7	10/3	<ul style="list-style-type: none"> <li>• Critical Angle</li> <li>• Total Internal Reflection</li> </ul>
8	17/3	<ul style="list-style-type: none"> <li>• Lens Diagrams – Focal Length</li> <li>• Lens Equations</li> </ul>
9	24/3	<i>Research Task handed out to students</i> <ul style="list-style-type: none"> <li>• Anatomy of the eye</li> <li>• Colour Vision</li> </ul>
10	31/3	<ul style="list-style-type: none"> <li>• Abnormal conditions of the eye</li> <li>• Research Task</li> </ul>
11	14/4	<ul style="list-style-type: none"> <li>• Research Task</li> </ul> <p><i>Draft Research Task due</i></p>
12	21/4	<b><u>On the Move</u></b> <ul style="list-style-type: none"> <li>• Scaler and Vector Quantities</li> <li>• Addition of Vectors</li> </ul>
13	28/4	<ul style="list-style-type: none"> <li>• Straight line motion – Constant acceleration</li> </ul> <p><i>Research Task Due</i></p>
14	5/5	<ul style="list-style-type: none"> <li>• Graphical analysis of motion</li> </ul>
15	12/5	<ul style="list-style-type: none"> <li>• Year 11 Camp</li> </ul>
16	19/5	<ul style="list-style-type: none"> <li>• Force, Mass and Weight</li> <li>• Newtons Three Laws</li> </ul>
17	26/5	<ul style="list-style-type: none"> <li>• Friction</li> <li>• Terminal Velocity</li> </ul>
18	2/6	<ul style="list-style-type: none"> <li>• Inclined Planes</li> </ul>

19	9/6	<ul style="list-style-type: none"><li>• Review and Consolidation</li></ul>
20	16/6	<i>Written Test (90 Minutes)</i>
21	23/6	<b><i>Amusement Parks Introduction</i></b> <ul style="list-style-type: none"><li>• The use of dataloggers</li></ul>