

Year 10 Physics			
1	<ul style="list-style-type: none"> <li>P5, recall and describe the properties of the electromagnetic spectrum and describe some uses of EM radiation and some dangers</li> </ul>	<ul style="list-style-type: none"> <li>P5, recall and explain the properties of the electromagnetic spectrum and explain some uses of EM radiation and some dangers</li> </ul>	<ul style="list-style-type: none"> <li>P5, recall and explain all properties of the electromagnetic spectrum and explain all uses of EM radiation and all dangers,</li> </ul>
2	<ul style="list-style-type: none"> <li>P6, recall the structure of an atom, describe the process of decay &amp; radiation detection methods, the dangers of ionising radiation and the nature of half-life</li> </ul>	<ul style="list-style-type: none"> <li>P6, explain the structure of an atom, explain the process of decay &amp; radiation detection methods, the dangers of ionising radiation and the nature of half-life</li> </ul>	<ul style="list-style-type: none"> <li>P6, explain the structure of an atom, explain the process of decay &amp; radiation detection methods, the dangers of ionising radiation, calculate half-life</li> </ul>
3	<ul style="list-style-type: none"> <li>P7, describe the structure and ideas of the Solar System, and ways to observe the Universe, and theories about the formation of the Universe, and the evolution of stars</li> </ul>	<ul style="list-style-type: none"> <li>P7, explain the structure and ideas of the Solar System, and ways to observe the Universe, and theories about the formation of the Universe, and the evolution of stars and describe the effect of gravity</li> </ul>	<ul style="list-style-type: none"> <li>P7, explain the structure and ideas of the Solar System, and ways to observe the Universe, and theories about the formation of the Universe, and the evolution of stars and explain the effect of gravity on shaping the Universe</li> </ul>
4	<ul style="list-style-type: none"> <li>P8/9, recall, calculate and describe work done, power , <math>\Delta GPE</math>, KE, and describe simple force interactions</li> </ul>	<ul style="list-style-type: none"> <li>P8/9, recall, calculate and explain work done, power , <math>\Delta GPE</math>, KE, and explain simple force interactions</li> </ul>	<ul style="list-style-type: none"> <li>P8/9, recall, calculate, manipulate and explain work done, power, <math>\Delta GPE</math>, KE, and explain force interactions using free body force diagrams &amp; vector diagrams</li> </ul>
5	<ul style="list-style-type: none"> <li>P10, recall, calculate and describe energy transferred, charge, p.d., electrical power and describe electricity flow in circuits, d.c. and a.c., and modern wiring</li> </ul>	<ul style="list-style-type: none"> <li>P10, recall, calculate and explain energy transferred, charge, p.d., electrical pwer and explain electricity flow in circuits, and the effect of resistance in a circuit, the difference between d.c. and a.c. and explain how domestic circuits operate</li> </ul>	<ul style="list-style-type: none"> <li>P10, recall, calculate, manipulate and explain energy transferred, charge, p.d., electrical power and explain electricity flow in circuits, and the effect of resistance in a circuit, the difference between d.c. and a.c. and explain how domestic circuits operate &amp; how to reduce unwanted energy transfer</li> </ul>