



SCIENCE YEAR PLANNER (LTP)

YEAR 11 PHYSICS TRIPLE



Term	Learning content/skills	Assessment Schedule*	Home Learning Support (How students can extend learning in addition to homework)
Autumn 1	4.5 Forces <ul style="list-style-type: none"> ● 4.5.1 Forces and their interactions ● 4.5.2 Work Done and energy transfer ● 4.5.3 Forces and elasticity ● 4.5.4 Moments, levers and gears ● 4.5.5 Pressure and pressure differences in fluids ● 4.5.6.1 Forces and Motion ● 4.5.6.2 Forces, acceleration and Newton's laws 	Practical 6 – extension of a spring 6.5.1/2/3 Forces and interactions and work done and energy transfer– end of section test Practical 7 - $F=ma$ 4.5.4/5 moments, levers and gears pressure end of section test 4.5.6.1 Motion- end of section test	<ul style="list-style-type: none"> ● Doodle ● Purchase of relevant revision guide ● BBC Bitesize
Autumn 2	4.5 Forces <ul style="list-style-type: none"> ● 4.5.6.1 Forces and Motion ● 4.5.6.2 Forces, acceleration and Newton's laws ● 4.5.6.3 Forces and braking ● 4.5.7 Momentum 4.7 Magnetism and Electromagnetism <ul style="list-style-type: none"> ● 4.7.1 Permanent and Induced magnetism ● 4.7.2 The Motor Effect 	4.5.6.1 Motion- end of section test 4.5.6/7 Newton's laws and momentum test– end of section test	<ul style="list-style-type: none"> ● Doodle ● Purchase of relevant revision guide ● BBC Bitesize
<i>Spring 1</i>	4.7 Magnetism and Electromagnetism <ul style="list-style-type: none"> ● 4.7.1 Permanent and Induced magnetism ● 4.7.2 The Motor Effect ● 		<ul style="list-style-type: none"> ● <i>Doodle</i> ● <i>Purchase of relevant revision guide</i> ● <i>BBC Bitesize</i>

*All assessments may be subject to alteration to best suit the learning needs of students.

<i>Term</i>			
Spring 2	<p>4.7 Magnetism and Electromagnetism</p> <ul style="list-style-type: none"> • <i>4.7.3 Induced potential, transformers and National Grid</i> • Practicals Skills Unit – may need to share teaching with Biology and Chemistry teachers for timing. • <i>Revision of year 10</i> 	4.7 Magnetism and Electromagnetism – end of Unit test	<ul style="list-style-type: none"> • Doddle • Purchase of relevant revision guide • BBC Bitesize
Summer 1	<ul style="list-style-type: none"> • <i>Revision of year 11</i> 		<ul style="list-style-type: none"> • Doddle
Summer 2	<ul style="list-style-type: none"> • <i>Triple exam</i> 		<ul style="list-style-type: none"> • Doddle