

## Curriculum Map

### Year 11 Physics

Date	Week	Lesson 1	Lesson 2	Lesson 3
1-Sep	1	Missed lessons due to start of year	Waves Recap so far	Sound Waves
8-Sep	2	Ultrasound waves	Seismic Waves	Assessment
15-Sep	3	<b>Electromagnetic Spectrum</b> EM spectrum	Infrared Radiation Practical	Microwaves and Radiowaves in Communications
22-Sep	4	UV, X-rays (in Medicine) and Gamma	Assessment Feedback and Improvements	<b>Light</b> Reflection of light
29-Sep	5	Ray diagrams and protractor skills	Refraction of light	Light Practical
6-Oct	6	Light Practical Improvements	Light and Colour	Concave lenses
13-Oct	7	Convex lenses	Magnification	Ray diagram practice
20-Oct	8	Waves Assessment	<b>Forces in Balance</b> Vectors and Scalars	Scale drawings
28-Oct	HALF TERM			
3-Nov	9	Assessment Feedback and Improvements	Forces between objects (free body diagrams)	Newton's laws of motion
10-Nov	10	Parallelogram of forces	Resolving Forces	Application to GCSE forces questions
17-Nov	11	<b>Mock Exams</b>	<b>Mock Exams</b>	<b>Mock Exams</b>



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24-Nov	<b>12</b>	<b>Mock Exams</b>	<b>Mock Exams</b>	<b>Mock Exams</b>
1-Dec	<b>13</b>	Moments and equilibrium	Equilibrium	Levers and Gears
8-Dec	<b>14</b>	Centre of Mass	<b>Motion</b> Distance, time, speed, and D-t graphs	Velocity-time graphs
15-Dec	<b>15</b>	Acceleration	Mock Feedback and Improvements	Mock Feedback and Improvements
23-Dec	CHRISTMAS BREAK			
30-Dec				
5-Jan	<b>16</b>	Analysing motion graphs	<b>Forces and Motion</b> Force = mass x acceleration	Acceleration required practical (part 1)
12-Jan	<b>17</b>	Acceleration required practical (part 2)	Weight and terminal velocity	Forces and braking
19-Jan	<b>18</b>	Momentum	Conservation of momentum	Impact forces
26-Jan	<b>19</b>	Forces and Elasticity Practical	Forces and Elasticity Calculations and Theory	<b>Forces and Pressure</b> Pressure on surfaces
2-Feb	<b>20</b>	<b>Forces and Pressure</b> Pressure on surfaces and liquids	Atmospheric pressure	Upthrust and flotation
9-Feb	<b>21</b>	<b>Electromagnetism</b> Magnetic fields	Magnetic fields of current and electromagnets	Electromagnets
17-Feb	HALF TERM			
23-Feb	<b>22</b>	Motor effect	<b>Mock Exams</b>	<b>Mock Exams</b>



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2-Mar	<b>23</b>	<b>Mock Exams</b>	<b>Mock Exams</b>	<b>Mock Exams</b>
9-Mar	<b>24</b>	Motors and microphones	Generator effect	AC Generator
16-Mar	<b>25</b>	Dynamos and loudspeakers	Transformers	Electromagnetism revision
23-Mar	<b>26</b>	Mock Feedback and Improvements	Mock Feedback and Improvements	Mock Feedback and Improvements
7-Apr	EASTER BREAK			
14-Apr				
<b>13-Apr</b>	<b>27</b>	<b>Space</b> Formation of solar system	Life cycle of stars	Satellites and orbit
<b>20-Apr</b>	<b>28</b>	Mock Feedback and Improvements	The expanding universe	Beginning and future of the universe
<b>27-Apr</b>	<b>29</b>	Review Space	Content post second mock exam	Review content post second mock exam
<b>4-May</b>	<b>30</b>	Paper 2 Revision	Paper 2 Revision	Paper 2 Revision
<b>11-May</b>	<b>31</b>	Paper 2 Revision	Paper 1 Revision	Paper 1 Revision
<b>18-May</b>	<b>32</b>	Paper 1 Revision	Paper 1 Revision	Paper 1 Revision
<b>26-May</b>	HALF TERM			