

## Year 12 Physics Checklist

| Subject        |                                                                                                                                                                                                                                                             | Paper                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Duration                     |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| Physics        |                                                                                                                                                                                                                                                             | Paper 1 and Paper 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1 hour 30 minutes – 70 marks |
| What to revise |                                                                                                                                                                                                                                                             | How to revise it                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                              |
| 1              | Section 1: Particles and Radiation <ul style="list-style-type: none"> <li>• Particles and Radiation</li> <li>• Quarks and leptons</li> <li>• Quantum phenomena</li> </ul>                                                                                   | <ul style="list-style-type: none"> <li>• Revisit notes and create revision resources</li> <li>• Use student revision checklists</li> <li>• Class text book p2-46</li> <li>• Exam Style questions (at the end of each chapter)</li> <li>• Summary (more exam style) p 48</li> <li>• Answer available at:<br/> <a href="https://global.oup.com/education/content/secondary/series/aqa-a-level-sciences/aqa-a-level-sciences-student-book-answers/?region=uk">https://global.oup.com/education/content/secondary/series/aqa-a-level-sciences/aqa-a-level-sciences-student-book-answers/?region=uk</a> </li> <li>• 'Physicsonline' and 'Snaprevise' YouTube channels</li> <li>• <a href="https://www.physicsandmathstutor.com/">https://www.physicsandmathstutor.com/</a> - Extra Questions</li> <li>• <a href="https://senecalearning.com/en-GB/">https://senecalearning.com/en-GB/</a> - Better to revise knowledge</li> </ul>     |                              |
| 2              | Section 2: Waves and Optics <ul style="list-style-type: none"> <li>• Waves</li> <li>• Optics</li> </ul>                                                                                                                                                     | <ul style="list-style-type: none"> <li>• Revisit notes and create revision resources</li> <li>• Use student revision checklists</li> <li>• Class text book p50-90</li> <li>• Exam Style questions (at the end of each chapter)</li> <li>• Summary (more exam style) p 92</li> <li>• Answer available at:<br/> <a href="https://global.oup.com/education/content/secondary/series/aqa-a-level-sciences/aqa-a-level-sciences-student-book-answers/?region=uk">https://global.oup.com/education/content/secondary/series/aqa-a-level-sciences/aqa-a-level-sciences-student-book-answers/?region=uk</a> </li> <li>• 'Physicsonline' and 'Snaprevise' YouTube channels</li> <li>• <a href="https://www.physicsandmathstutor.com/">https://www.physicsandmathstutor.com/</a> - Extra Questions</li> <li>• <a href="https://senecalearning.com/en-GB/">https://senecalearning.com/en-GB/</a> - Better to revise knowledge</li> </ul>    |                              |
| 3              | Section 3: Mechanics and materials: <ul style="list-style-type: none"> <li>• Forces in equilibrium</li> <li>• On the move</li> <li>• Newton's laws of Motion</li> <li>• Force and momentum</li> <li>• Work energy and Power</li> <li>• Materials</li> </ul> | <ul style="list-style-type: none"> <li>• Revisit notes and create revision resources</li> <li>• Use student revision checklists</li> <li>• Class text book p94-196</li> <li>• Exam Style questions (at the end of each chapter)</li> <li>• Summary (more exam style) p 92</li> <li>• Answer available at:<br/> <a href="https://global.oup.com/education/content/secondary/series/aqa-a-level-sciences/aqa-a-level-sciences-student-book-answers/?region=uk">https://global.oup.com/education/content/secondary/series/aqa-a-level-sciences/aqa-a-level-sciences-student-book-answers/?region=uk</a> </li> <li>• 'Physicsonline' and 'Snaprevise' YouTube channels</li> <li>• <a href="https://www.physicsandmathstutor.com/">https://www.physicsandmathstutor.com/</a> - Extra Questions</li> <li>• <a href="https://senecalearning.com/en-GB/">https://senecalearning.com/en-GB/</a> - Better to revise knowledge</li> </ul>   |                              |
| 4              | Section 4: Electricity: <ul style="list-style-type: none"> <li>• Electric Current</li> <li>• DC circuits</li> </ul>                                                                                                                                         | <ul style="list-style-type: none"> <li>• Revisit notes and create revision resources</li> <li>• Use student revision checklists</li> <li>• Class text book p200-232</li> <li>• Exam Style questions (at the end of each chapter)</li> <li>• Summary (more exam style) p 234</li> <li>• Answer available at:<br/> <a href="https://global.oup.com/education/content/secondary/series/aqa-a-level-sciences/aqa-a-level-sciences-student-book-answers/?region=uk">https://global.oup.com/education/content/secondary/series/aqa-a-level-sciences/aqa-a-level-sciences-student-book-answers/?region=uk</a> </li> <li>• 'Physicsonline' and 'Snaprevise' YouTube channels</li> <li>• <a href="https://www.physicsandmathstutor.com/">https://www.physicsandmathstutor.com/</a> - Extra Questions</li> <li>• <a href="https://senecalearning.com/en-GB/">https://senecalearning.com/en-GB/</a> - Better to revise knowledge</li> </ul> |                              |

|  |  |                                                  |
|--|--|--------------------------------------------------|
|  |  | <ul style="list-style-type: none"><li></li></ul> |
|--|--|--------------------------------------------------|