

	<b>Year 10 Summer Revision Checklist 2025</b>	<b>Before test</b>	<b>Before June exam</b>
<b>1.1</b>	<ul style="list-style-type: none"> <li>Define density and recall its units</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
<b>1.2</b>	<ul style="list-style-type: none"> <li>Explain why different objects have different densities</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
<b>1.3</b>	<ul style="list-style-type: none"> <li>Explain floating and sinking in terms of density</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
<b>1.4</b>	<ul style="list-style-type: none"> <li>Recall and use the density equation</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
<b>1.5</b>	<ul style="list-style-type: none"> <li>Describe and conduct an experiment to find the density of a liquid</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
<b>1.6</b>	<ul style="list-style-type: none"> <li>Graphically analyse experimental results to determine the relationship between mass and volume</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
<b>1.7</b>	<ul style="list-style-type: none"> <li>Describe and conduct an experiment to find the density of an irregular object</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
<b>1.8</b>	<ul style="list-style-type: none"> <li>Give examples of high and low pressure situations</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
<b>1.9</b>	<ul style="list-style-type: none"> <li>Define pressure and discuss how it can be increased/decreased</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
<b>1.10</b>	<ul style="list-style-type: none"> <li>Recall and use the equation for pressure</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
<b>1.11</b>	<ul style="list-style-type: none"> <li>Recall a mass of 1kg is equivalent to 10N</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>

1.12	<ul style="list-style-type: none"> <li>Complete an experiment to calculate a person's pressure</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
1.13	<ul style="list-style-type: none"> <li>Discuss how pressure affects our everyday lives</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
1.14	<ul style="list-style-type: none"> <li>Give examples of levers and what they are used for</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
1.15	<ul style="list-style-type: none"> <li>Recall the definition of moment</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
1.16	<ul style="list-style-type: none"> <li>Use the equation for moment</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
1.17	<ul style="list-style-type: none"> <li>Investigate the relationship between clockwise and anticlockwise moments</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
1.18	<ul style="list-style-type: none"> <li>Recall and apply the Principle of Moments</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
2.1	<ul style="list-style-type: none"> <li>Define centre of gravity</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
2.2	<ul style="list-style-type: none"> <li>Determine the centre of gravity for regular and irregular objects</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
2.3	<ul style="list-style-type: none"> <li>Explain how objects can be made more stable and the role centre of gravity plays in this</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
2.4	<ul style="list-style-type: none"> <li>Recall the names and definitions of the most common forces in our everyday lives</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
2.5	<ul style="list-style-type: none"> <li>Describe and explain the effect of balanced and unbalanced forces on objects</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>

2.6	<ul style="list-style-type: none"> <li>Define and calculate the resultant force acting on an object</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
2.7	<ul style="list-style-type: none"> <li>Design and conduct an experiment to investigate the relationship between force and extension of springs</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
2.8	<ul style="list-style-type: none"> <li>Recall Hooke's Law</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
2.9	<ul style="list-style-type: none"> <li>Recall and use the equation for Hooke's Law</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
2.10	<ul style="list-style-type: none"> <li>Recall and discuss the key points of a graph to represent Hooke's Law</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
3.1	<ul style="list-style-type: none"> <li>Define and categorise transverse and longitudinal waves</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
3.2	<ul style="list-style-type: none"> <li>Label crest, trough, compression and rarefaction on a wave diagram</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
3.3	<ul style="list-style-type: none"> <li>Define amplitude, wavelength and frequency</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
3.4	<ul style="list-style-type: none"> <li>Determine amplitude and wavelength from a wave diagram</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
3.5	<ul style="list-style-type: none"> <li>Calculate the frequency of a wave</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
3.6	<ul style="list-style-type: none"> <li>Recall and use the wave equation to find wavelength, wave speed or frequency</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
3.7	<ul style="list-style-type: none"> <li>Use standard form to represent large and small numbers</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>

3.8	<ul style="list-style-type: none"> <li>Use prefixes to represent large and small numbers</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
3.9	<ul style="list-style-type: none"> <li>Recall the electromagnetic spectrum in order of wavelength</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
3.10	<ul style="list-style-type: none"> <li>Give three common properties of all parts of the electromagnetic spectrum</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
3.11	<ul style="list-style-type: none"> <li>Recall and explain the uses and dangers of each part of the electromagnetic spectrum</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
4.1	<ul style="list-style-type: none"> <li>Describe the difference between heat and temperature, including units</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
4.2	<ul style="list-style-type: none"> <li>Recall that heat energy travels from hot to cold places</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
4.3	<ul style="list-style-type: none"> <li>Describe &amp; explain the differences between conductors &amp; insulators, including their uses</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
4.4	<ul style="list-style-type: none"> <li>Conduct an experiment to determine which materials are the best conductors</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
4.5	<ul style="list-style-type: none"> <li>Define convection and describe how it takes place</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
4.6	<ul style="list-style-type: none"> <li>Explain examples of convection in everyday situations</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
4.7	<ul style="list-style-type: none"> <li>Conduct an experiment to show convection in liquids</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
4.8	<ul style="list-style-type: none"> <li>Define infrared radiation and understand where it comes from</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
4.9	<ul style="list-style-type: none"> <li>Conduct an experiment to show which materials are good reflectors and absorbers of radiation</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>

<b>4.10</b>	<ul style="list-style-type: none"><li>• Give examples of good emitters/reflectors/absorbers of heat</li></ul>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4.11</b>	<ul style="list-style-type: none"><li>• Explain how heat loss can be reduced in the home</li></ul>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4.12</b>	<ul style="list-style-type: none"><li>• Label a diagram of the vacuum flask</li></ul>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4.13</b>	<ul style="list-style-type: none"><li>• Discuss how its design minimises heat loss</li></ul>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4.14</b>	<ul style="list-style-type: none"><li>• Design &amp; conduct an experiment to show the shiny surface on the inside of the flask reflects heat</li></ul>	<input type="checkbox"/>	<input type="checkbox"/>