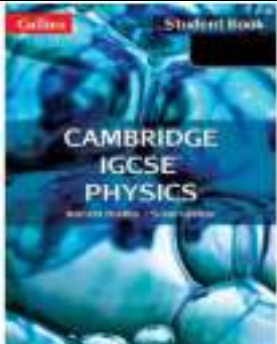




Grade 9 Physics will be learning...

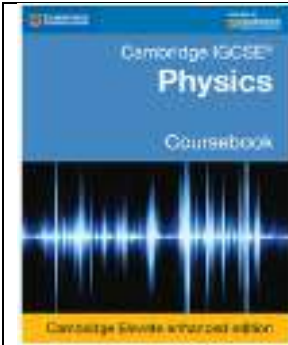
Term 1	Term 2	Term 3	Working towards
<p>Light; Electricity; Energy</p> <p>In this section students will learn about the reflection of light and the refraction of light. Properties of light waves will be discussed and applied to thin converging lens and other forms of prism, particularly those that cause the dispersion of light.</p> <p>In the section on electricity the students are encouraged to derive the definitions of current, electro-motive force, potential difference, resistance and electrical working.</p> <p>The concept of energy, where energy comes from, how it is used and what it is used for is explored during the study of Energy.</p>	<p>Mechanics; electromagnetism;</p> <p>In the mechanics section, the foundation concepts of measurement, distance, velocity, acceleration, mass and density are studied and calculated. Their relationships to each other are investigated and noted for future use.</p> <p>Students will study magnetic fields and where they are found or created. The effects of a magnetic field and the uses of magnetic fields will be studied. The induction of a potential difference occurs as a result of a changing magnetic field. Students will also study the applications of magnetic fields.</p>	<p>Electricity; Thermal physics</p> <p>Continuing the study of electricity from Term 1, once the students know the definitions and the equations that are associated with the electrical concepts the students will be performing simple circuit calculations.</p> <p>Thermal physics explains the macroproperties of substances and their physical attributes such as the change of state and factors affecting boiling points. Students will spend time distinguishing the various factors.</p>	<p>Full practice exams using iGCCSE past papers. These will occur at the end of term 1 and term 2 to show the progress made prior to the examined Physics, papers.</p>

Books you may find useful:

	<p>Collins Cambridge IGCSE Physics Student Book Second Edition Paperback – 2014</p> <ul style="list-style-type: none"> • ISBN-10: 9780007592678
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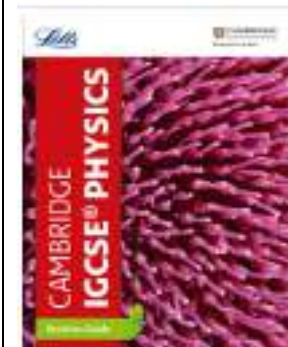


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Cambridge IGCSE Physics Coursebook
Cambridge Elevate Enhanced Edition
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Guide Paperback – 2017

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