



## Grade 11 Chemistry will be learning...

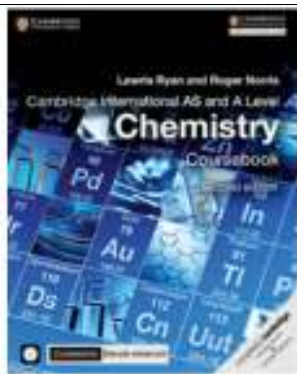
Term 1	Term 2	Term 3	Working towards
<p>Atoms, molecules and stoichiometry; Atomic structure; Bonding in simple molecules; States of matter; Acids and Bases</p> <p>Students will begin by revising the important concept of the structure of the atom. From there we will be learning more about the mole and performing more stoichiometric calculations.</p> <p>Revision of bonding will lead us to learning about the intermolecular forces and their influences on the physical properties of substances and the states of matter.</p> <p>In acids and bases, the behaviour of acids and bases and their properties will be studied in greater depth than at the iGCSE level.</p>	<p>Rates of Reaction; Equilibria; The Periodic Table: chemical periodicity; An introduction to organic chemistry</p> <p>The concept of rates of reaction will be explored in greater detail than it was in Grade 10. The mechanism of reaction as well as the collision theory and how the individual atoms and molecules react will be explored in this section.</p> <p>Students will be studying the periodic table looking for the trends that the organisation of the table provides. They will learn how to predict the behaviour of a particular substance based on its position on table.</p>	<p>Organic chemistry: Alkanes; Alkenes; Halogen derivatives; Alcohols; Aldehydes and Ketones; Carboxylic acids</p> <p>The formation of each of these substances will be studied as well as the macroscopic and microscopic properties.</p> <p>Students will learn about the different types of reactions that each substance can undergo and will be able to predict the products of reactions given the reactants and the reaction conditions.</p>	<p>Full practice exams using GED past papers. These will occur at the end of term 1 and term 2 to show the progress made prior to the examined Chemistry, papers.</p>

### Books you may find useful:

	<p>Cambridge International AS and A Level Chemistry (Cambridge International IGCSE) Paperback – 2015</p> <ul style="list-style-type: none"> <li>• <b>ISBN-10:</b> 9781444181333</li> </ul>
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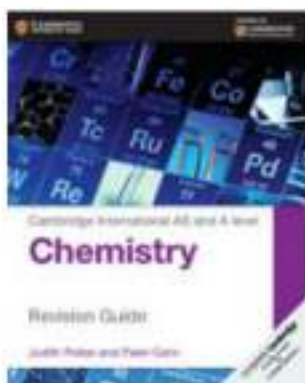


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Cambridge International AS and A Level Chemistry Coursebook with CD-ROM and Cambridge Elevate-Enhanced Edition (Cambridge International IGCSE) Paperback – 2017

- **ISBN-10:** 9781316637739



Cambridge International AS and A Level Chemistry: Revision Guide (Cambridge International IGCSE) Paperback – 2015

- **ISBN-10:** 9781107616653