



Grade 11 Chemistry will be learning...

Term 1	Term 2	Term 3	Working towards
<p>Chemistry of the transition elements; Arenes and phenols; Carboxylic acids and derivatives; Nitrogen compounds</p> <p>The transition elements have differing chemistry to the elements that the students have studied up until now. They will learn about the period 3 elements and how the electron arrangement of the transition elements leads to them being known as transition elements.</p> <p>The formation of each of the organic substances will be studied or revised and their macroscopic and microscopic properties will be assessed and related to their structure.</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>Polymerisation; Chemical energetics; Quantitative kinetics</p> <p>Students will learn what polymers are and how they are formed.</p> <p>When studying chemical energetics, students will learn that all reactions require energy and as a result they will learn how to apply Hess' law. They will also learn how to identify simple rate orders and be expected to calculate rate constants for reactions.</p>	<p>Quantitative Equilibrium; Electrochemistry</p> <p>Students know and understand how reversible reactions work and the factors that affect them. In this section they will learn how to calculate the effect of the factors that can affect equilibrium.</p> <p>The practical application of redox chemistry is important as it is used widely. In this section, the students will be applying their theoretical knowledge in practical applications as well as other theoretical situations.</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:

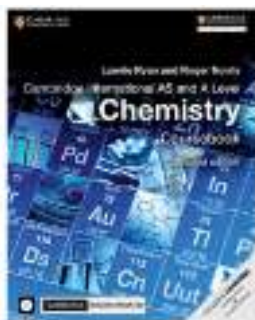


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Cambridge International AS and A Level Chemistry (Cambridge International IGCSE) Paperback – 2015

- **ISBN-10:** 9781444181333



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