

Year 11 Long Term Scheme of Learning 2023-2024

Separate Science - Chemistry

HELSEBY

High School



Achieving Success
Valuing Others

Date	Unit(s)
Chemistry Separates	
4/9/23	C6 'Rate & Extent of Chemical Reactions' – equilibria- Key ideas:
11/9/23	<ul style="list-style-type: none"> • Reversible reactions & equilibrium • Effect of changing reaction conditions eg temperature, pressure and concentration
18/9/23	
25/9/23	
2/10/23	
09/10/23	
16/10/23	C7 Organic Chemistry - Key ideas: <ul style="list-style-type: none"> • Fractional distillation of crude oil • Alkanes and Alkenes (Cracking) • Combustion of fuels • Alcohols
30/10/23	<u>PPE 1 GCSE Chemistry Paper 1 Units C1, C2, C3, C4, C5 only 100 marks w/c 6th Nov 2023</u>
6/11/23	C7 Organic Chemistry - Key ideas: <ul style="list-style-type: none"> • Carboxylic acids and esters • Polymers • Biological molecules • Intermolecular forces – key concept
13/11/23	
20/11/23	
27/11/23	
4/12/23	
11/12/23	C8 Chemical Analysis - Key ideas: <ul style="list-style-type: none"> • Pure substances & mixtures • Formulations • Required Practical – Chromatography • Gas Tests • Cation & anion tests
1/1/24	C8 Chemical Analysis - Key ideas:
8/1/24	<ul style="list-style-type: none"> • Required Practical – Chemical Tests

Year 11 Long Term Scheme of Learning 2023-2024

Separate Science - Chemistry

HELSEBY

High School



Achieving Success
Valuing Others

15/1/24	<ul style="list-style-type: none"> Instrumental analysis
22/1/24	
29/1/24	
5/2/24	
12/2/24	<p>C9 Atmosphere - Key ideas:</p> <ul style="list-style-type: none"> Evolution of Earth's atmosphere Greenhouse gasses & climate change Carbon footprints Atmospheric pollutants <p>PPE 2 GCSE Chemistry Paper 2 Units C6, C7, C8, C9, (aspects of C1,C2&C3) 100 marks w/c 5th Feb 2024</p>
26/2/24	<p>C10 Sustainable development</p> <p>Key ideas:</p> <ul style="list-style-type: none"> Potable water and water treatment Required Practical – Purification of water Alternative methods of metal extraction Life cycle assessment and reducing the use of resources Metals – corrosion prevention & alloys Ceramics, polymers & composites The Haber process & fertilizers
4/3/24	
11/3/24	
18/3/24	
25/3/24	
15/4/24	
22/4/24	<p>Revision & Exam Preparation</p> <p>GCSE Examination Season.</p>
29/4/24	
6/5/24	
13/5/24	
20/5/24	
3/6/24	<p>GCSE Examination Season.</p>
10/6/24	
17/6/24	
24/6/24	
1/7/24	
8/7/24	

Year 11 Long Term Scheme of Learning 2023-2024

Separate Science - Chemistry

HELBY

High School



15/7/24