

# Curriculum Overview

Subject:

Year Group: 8



Students in year 8 continue to develop the Skills introduced in year 7 looking at more abstract and challenging topics than in year 7, the ideas of motion in Space, Genetics and Wave motion provide a significant step up from the work covered in year 7. Again students will have an opportunity to complete open ended investigations to examine the world around them through designing and conducting their own experiments. Students continue to develop their Long Written work and Practical skills using LORIC.

<b>TERM 1</b>	<b>TERM 2</b>	<b>TERM 3</b>
<b>KNOWLEDGE/SKILLS</b>  Safety and Apparatus in the Laboratory  Exploring Chemical Changes  Variation for Survival  Motion on Earth and Space	<b>KNOWLEDGE/SKILLS</b>  Our Health and the Effect of Drugs  Obtaining useful materials  Using our Earth Sustainably  Open ended investigation	<b>KNOWLEDGE/SKILLS</b>  Using our Earth Sustainably (2)  Magnetism and Electricity  Waves and Energy Transfer  Mathematics for Scientists
<b>KEY ASSESSMENTS</b>  Half term 1: Farming and food webs LWQ, Ecology test  Half term 2: Antacid LWQ, Variation and data LWQ	<b>KEY ASSESSMENTS</b>  Half term 1: Our Health and the Effect of Drugs test, Using our Earth sustainably LWQ  Half term 2: Extracting metals LWQ, Obtaining useful materials test	<b>KEY ASSESSMENTS</b>  Half term 1: Using our Earth Sustainably test, Investigating batteries LWQ  Half term 2: Waves LWQ, Waves and energy transfer test

Extended reading suggestions and external resources:

KS3 Bitesize Science <https://www.bbc.co.uk/bitesize/subjects/zng4d2p>

Oak National Academy Lessons <https://classroom.thenational.academy/subjects-by-key-stage/key-stage-3/subjects/science>

Chase High Youtube Playlists <https://www.youtube.com/channel/UCSK4ImJfi5sPH4UBp7cZtyQ>

We actively encourage students to read and research about the wider Scientific world- Planet Earth and Perfect Planet both on BBC iPlayer are examples of where students can engage with Science from the safety and comfort of their own homes.