**Walton High School Hub Curriculum** 

**Year 8 – Science Half term 3 (January 2025 – February 2025)**

How it works:

1. In the table, find the correct week by looking at the date in the first column.
2. Find today’s work – there are three links per double lesson so you won’t run out of work!
3. Choose a lesson – hold ctrl and click on the chosen link.

**If the link does not work, you do not recognise the work or the work is too difficult, try another lesson.**

1. Some lessons have links to PowerPoints and other resources beneath the video and/or Starter Quiz.
2. Complete any starter quizzes.
	1. Write your answer down
	2. Mark your answers and write down any corrections, using the videos.
3. Watch the videos and take notes.
4. Pause if/when instructed to do so to answer questions or respond.
5. When the lesson is complete, go onto the next one.

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| Week commencing | Day | Subject/Topic | Lesson 1 | Lesson 2 |
| 06/01/25 | Monday | **Chemistry** – Acids and Alkalis | [What happens during a state change? |](https://www.thenational.academy/pupils/programmes/science-primary-year-5-l/units/physical-and-chemical-changes-a481/lessons/what-happens-during-a-state-change-c8wp6e/overview)  | [What is a physical change and how can we identify them? |](https://www.thenational.academy/pupils/programmes/science-primary-year-5-l/units/physical-and-chemical-changes-a481/lessons/what-is-a-physical-change-and-how-can-we-identify-them-6xgk8d/overview)  |
| Tuesday | [What is a chemical reaction and how can we identify them? |](https://www.thenational.academy/pupils/programmes/science-primary-year-5-l/units/physical-and-chemical-changes-a481/lessons/what-is-a-chemical-reaction-and-how-can-we-identify-them-c4t34d/overview)  | [What is the difference between physical and chemical changes? |](https://www.thenational.academy/pupils/programmes/science-primary-year-5-l/units/physical-and-chemical-changes-a481/lessons/what-is-the-difference-between-physical-and-chemical-changes-64upcr/overview)  |
| Wednesday | [What can we do to investigate chemical reactions? |](https://www.thenational.academy/pupils/programmes/science-primary-year-5-l/units/physical-and-chemical-changes-a481/lessons/what-can-we-do-to-investigate-chemical-reactions-70vk8d/overview) | [What happens when we place metals into acid? |](https://www.thenational.academy/pupils/programmes/science-primary-year-5-l/units/physical-and-chemical-changes-a481/lessons/what-happens-when-we-place-metals-into-acid-cgrp8d/overview)  |
| Thursday  | [Chemical reactions: acid and metal |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/understanding-chemical-reactions/lessons/chemical-reactions-acid-and-metal/overview) | [Chemical reactions: acid and metal carbonate |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/understanding-chemical-reactions/lessons/chemical-reactions-acid-and-metal-carbonate/overview)  |
| Friday | [Acids and bases |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/acids-and-bases/lessons/acids-and-bases/overview) | [pH scale and universal indicator solution |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/acids-and-bases/lessons/ph-scale-and-universal-indicator-solution/overview)  |
| 13/01/25 | Monday  | **Physics** - Magnets | [Contact forces |](https://www.thenational.academy/pupils/programmes/science-primary-year-3/units/simple-forces-including-magnets/lessons/contact-forces/overview)  | [Magnetic force (non-statutory) |](https://www.thenational.academy/pupils/programmes/science-primary-year-3/units/simple-forces-including-magnets/lessons/magnetic-force-non-statutory/overview)  |
| Tuesday  | [Magnetic force at a distance |](https://www.thenational.academy/pupils/programmes/science-primary-year-3/units/simple-forces-including-magnets/lessons/magnetic-force-at-a-distance/overview)  | [Different magnets and their parts |](https://www.thenational.academy/pupils/programmes/science-primary-year-3/units/simple-forces-including-magnets/lessons/different-magnets-and-their-parts/overview)  |
| Wednesday  | [Strongest magnet (non-statutory) | O](https://www.thenational.academy/pupils/programmes/science-primary-year-3/units/simple-forces-including-magnets/lessons/strongest-magnet-non-statutory/overview) | [Magnetic and non-magnetic materials |](https://www.thenational.academy/pupils/programmes/science-primary-year-3/units/simple-forces-including-magnets/lessons/magnetic-and-non-magnetic-materials/overview)  |
| Thursday  | [Putting magnets together: attract or repel |](https://www.thenational.academy/pupils/programmes/science-primary-year-3/units/simple-forces-including-magnets/lessons/putting-magnets-together-attract-or-repel/overview)  | [Blocking magnetic force |](https://www.thenational.academy/pupils/programmes/science-primary-year-3/units/simple-forces-including-magnets/lessons/blocking-magnetic-force/overview)  |
| Friday | [Using magnets to solve problems (non-statutory: Scientists and Engineers) |](https://www.thenational.academy/pupils/programmes/science-primary-year-3/units/simple-forces-including-magnets/lessons/using-magnets-to-solve-problems-non-statutory-scientists-and-engineers/overview)  | [Magnetic force (non-statutory) |](https://www.thenational.academy/pupils/programmes/science-primary-year-3/units/simple-forces-including-magnets/lessons/magnetic-force-non-statutory/overview)  |
| 20/01/25 | Monday | **Chemistry –** Neutralisation and Salts | [Practical: red cabbage indicator solution |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/acids-and-bases/lessons/practical-red-cabbage-indicator-solution/overview)  | [Chemical reactions: acid and metal |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/acids-and-bases/lessons/chemical-reactions-acid-and-metal/overview)  |
| Tuesday | [Metal oxides and non-metal oxides |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/acids-and-bases/lessons/metal-oxides-and-non-metal-oxides/overview) | [Chemical reactions: neutralisation |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/acids-and-bases/lessons/chemical-reactions-neutralisation/overview)  |
| Wednesday | [Chemical reactions: acid and metal carbonate |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/acids-and-bases/lessons/chemical-reactions-acid-and-metal-carbonate/overview)  | [Filtration |](https://www.thenational.academy/pupils/programmes/chemistry-secondary-year-10-higher-aqa/units/separating-substances/lessons/filtration/overview)  |
| Thursday | [Crystallisation |](https://www.thenational.academy/pupils/programmes/chemistry-secondary-year-10-higher-aqa/units/separating-substances/lessons/crystallisation/overview)  | [Solutions |](https://www.thenational.academy/pupils/programmes/chemistry-secondary-year-10-higher-aqa/units/separating-substances/lessons/solutions/overview)  |
| Friday | [Acids and bases |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/acids-and-bases/lessons/acids-and-bases/overview) | [pH scale and universal indicator solution |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/acids-and-bases/lessons/ph-scale-and-universal-indicator-solution/overview)  |
| 27/01/25 | Monday | **Physics** - Electromagnets | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=189&lesson=3881) | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=189&lesson=3288) |
| Tuesday | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=189&lesson=3292) | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=421&lesson=3397) |
| Wednesday | [Magnets Lesson |](https://cognitoedu.org/coursesubtopic/p2-gcse-aqa-h-c_6.01)  | [Permanent & Induced Magnets Lesson |](https://cognitoedu.org/coursesubtopic/p2-gcse-aqa-h-c_6.02)  |
| Thursday | [Electromagnetism Lesson |](https://cognitoedu.org/coursesubtopic/p2-gcse-aqa-h-c_6.03)  | [Motor Effect Lesson |](https://cognitoedu.org/coursesubtopic/p2-gcse-aqa-h-c_6.04)  |
| Friday | [How the Electric Motor Works Lesson |](https://cognitoedu.org/coursesubtopic/p2-gcse-aqa-h-c_6.05)  | [Magnets Lesson |](https://cognitoedu.org/coursesubtopic/p2-gcse-aqa-h-c_6.01)  |
| 03/02/25 | Monday  | **Chemistry** – Metals  | [What are everyday materials made from? |](https://www.thenational.academy/pupils/programmes/science-primary-year-6-l/units/sustainability-d96e/lessons/what-are-everyday-materials-made-from-c5hkad/overview)  | [Why is recycling important? |](https://www.thenational.academy/pupils/programmes/science-primary-year-6-l/units/sustainability-d96e/lessons/why-is-recycling-important-60rkjc/overview)  |
| Tuesday | [What is a life cycle assessment? |](https://www.thenational.academy/pupils/programmes/science-primary-year-6-l/units/sustainability-d96e/lessons/what-is-a-life-cycle-assessment-6xgk8r/overview)  | [Metals and non-metals |](https://www.thenational.academy/pupils/programmes/science-secondary-year-7-l/units/atoms-and-the-periodic-table-9q9t0p6/lessons/metals-and-non-metals-2t0ylw/overview)  |
| Wednesday | [Group 1 |](https://www.thenational.academy/pupils/programmes/science-secondary-year-7-l/units/atoms-and-the-periodic-table-9q9t0p6/lessons/group-1-7sf5im/overview)  | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=189&lesson=1012) |
| Thursday | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=189&lesson=4846) | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=189&lesson=2248) |
| Friday | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=189&lesson=2250) | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=189&lesson=2251) |
| 10/02/25 | Monday | **Physics** – The Earth’s Magnetic Fields | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=189&lesson=3881) | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=189&lesson=3288) |
| Tuesday | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=189&lesson=3292) | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=421&lesson=3397) |
| Wednesday | [Magnets Lesson |](https://cognitoedu.org/coursesubtopic/p2-gcse-aqa-h-c_6.01)  | [Permanent & Induced Magnets Lesson |](https://cognitoedu.org/coursesubtopic/p2-gcse-aqa-h-c_6.02)  |
| Thursday | [Electromagnetism Lesson |](https://cognitoedu.org/coursesubtopic/p2-gcse-aqa-h-c_6.03)  | [Motor Effect Lesson |](https://cognitoedu.org/coursesubtopic/p2-gcse-aqa-h-c_6.04)  |
| Friday | [How the Electric Motor Works Lesson |](https://cognitoedu.org/coursesubtopic/p2-gcse-aqa-h-c_6.05)  | [Magnets Lesson |](https://cognitoedu.org/coursesubtopic/p2-gcse-aqa-h-c_6.01)  |