**Walton High School Hub Curriculum** 

**Year 10 – Chemistry Half term 6 (June 2025 – July 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 |
| 02/06/25 | Monday | **Biology** – Pollution, Carbon Cycle | [Gases in the atmosphere |](https://www.thenational.academy/pupils/programmes/science-secondary-year-9/units/carbon-cycle-and-climate-change/lessons/gases-in-the-atmosphere/overview)  | [Atmospheric carbon |](https://www.thenational.academy/pupils/programmes/science-secondary-year-9/units/carbon-cycle-and-climate-change/lessons/atmospheric-carbon/overview)  |
| Tuesday | [The carbon cycle |](https://www.thenational.academy/pupils/programmes/science-secondary-year-9/units/carbon-cycle-and-climate-change/lessons/the-carbon-cycle/overview)  | [Atmospheric pollutants |](https://www.thenational.academy/pupils/programmes/chemistry-secondary-year-11-higher-aqa/units/atmosphere-and-changing-climate/lessons/atmospheric-pollutants/overview)  |
| Wednesday | [Carbon dioxide in the atmosphere |](https://www.thenational.academy/pupils/programmes/chemistry-secondary-year-11-higher-aqa/units/atmosphere-and-changing-climate/lessons/carbon-dioxide-in-the-atmosphere/overview)  | [Global climate change and the effects |](https://www.thenational.academy/pupils/programmes/chemistry-secondary-year-11-higher-aqa/units/atmosphere-and-changing-climate/lessons/global-climate-change-and-the-effects/overview)  |
| Thursday  | [Human activity |](https://www.thenational.academy/pupils/programmes/chemistry-secondary-year-11-higher-aqa/units/atmosphere-and-changing-climate/lessons/human-activity/overview)  | [Interdependence within ecosystems |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/biodiversity/lessons/interdependence-within-ecosystems/overview)  |
| Friday | [Pyramids of number |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/biodiversity/lessons/pyramids-of-number/overview)  | [Pyramids of biomass |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/biodiversity/lessons/pyramids-of-biomass/overview)  |
| 09/06/25 | Monday  | **Chemistry** – Bond enthalpy, Chromatography | [Exothermic and endothermic chemical reactions |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/fuels-and-energetics/lessons/exothermic-and-endothermic-chemical-reactions/overview)  | [Cooling curve: practical |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/fuels-and-energetics/lessons/cooling-curve-practical/overview)  |
| Tuesday  | [Exothermic & Endothermic Reactions Lesson |](https://cognitoedu.org/coursesubtopic/c2-gcse-aqa-h-t_5.01)  | [Bond Energies Lesson |](https://cognitoedu.org/coursesubtopic/c2-gcse-aqa-h-t_5.02)  |
| Wednesday  | [Paper Chromatography Lesson |](https://cognitoedu.org/coursesubtopic/c2-gcse-aqa-h-t_8.02)  | [Temperature Changes Lesson |](https://cognitoedu.org/coursesubtopic/c2-gcse-aqa-h-t_11.04)  |
| Thursday  | [Chromatography Lesson |](https://cognitoedu.org/coursesubtopic/c2-gcse-aqa-h-t_11.06)  | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=250&lesson=4485) |
| Friday | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=250&lesson=4484) | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=250&lesson=4483) |
| 16/06/25 | Monday | **Physics** – AC/DC, National Grid  | [Making parallel circuits |](https://www.thenational.academy/pupils/programmes/science-secondary-year-9/units/resistance-and-parallel-circuits/lessons/making-parallel-circuits/overview)  | [Voltage in parallel circuits |](https://www.thenational.academy/pupils/programmes/science-secondary-year-9/units/resistance-and-parallel-circuits/lessons/voltage-in-parallel-circuits/overview)  |
| Tuesday | [Measuring current in a parallel circuit |](https://www.thenational.academy/pupils/programmes/science-secondary-year-9/units/resistance-and-parallel-circuits/lessons/measuring-current-in-a-parallel-circuit/overview) | [Comparing series and parallel circuits |](https://www.thenational.academy/pupils/programmes/science-secondary-year-9/units/resistance-and-parallel-circuits/lessons/comparing-series-and-parallel-circuits/overview)  |
| Wednesday | [Mains electricity |](https://www.thenational.academy/pupils/programmes/science-secondary-year-9/units/resistance-and-parallel-circuits/lessons/mains-electricity/overview)  | [Electric current |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/series-circuits/lessons/electric-current/overview)  |
| Thursday | [Measuring electric current |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/series-circuits/lessons/measuring-electric-current/overview)  | [Power stations |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/fuels-and-energetics/lessons/power-stations/overview)  |
| Friday | [Comparing fuels |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/fuels-and-energetics/lessons/comparing-fuels/overview)  | [Using renewable energy resources |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/fuels-and-energetics/lessons/using-renewable-energy-resources/overview)  |
| 23/06/25 | Monday | **Biology** – Deforestation, Biodiversity, Global Warming | [Plants are adapted for their environment |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/biodiversity/lessons/plants-are-adapted-for-their-environment/overview)  | [Animals are adapted for their environment |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/biodiversity/lessons/animals-are-adapted-for-their-environment/overview)  |
| Tuesday | [Ecological sampling of living organisms |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/biodiversity/lessons/ecological-sampling-of-living-organisms/overview)  | [Ecological sampling using a quadrat |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/biodiversity/lessons/ecological-sampling-using-a-quadrat/overview)  |
| Wednesday | [Conserving biodiversity |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/biodiversity/lessons/conserving-biodiversity/overview)  | [How Humans Reduce Biodiveristy Lesson |](https://cognitoedu.org/coursesubtopic/b2-gcse-aqa-h-t_10.13)  |
| Thursday | [Global Warming Lesson |](https://cognitoedu.org/coursesubtopic/b2-gcse-aqa-h-t_10.17)  | [Deforestation & Land Use Lesson |](https://cognitoedu.org/coursesubtopic/b2-gcse-aqa-h-t_10.19) |
| Friday |  |  |  |
| 30/06/25 | Monday  | **Chemistry** – Potable Water, Treating Water | [Water Purification Lesson |](https://cognitoedu.org/coursesubtopic/c2-gcse-aqa-h-t_11.08) | [Potable Water Lesson |](https://cognitoedu.org/coursesubtopic/c2-gcse-aqa-h-t_10.1)  |
| Tuesday | [Waste Water Treatment Lesson |](https://cognitoedu.org/coursesubtopic/c2-gcse-aqa-h-t_10.11)  | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=250&lesson=4141) |
| Wednesday | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=250&lesson=4457) | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=250&lesson=4457) |
| Thursday | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=250&lesson=4077) | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=250&lesson=449) |
| Friday | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=250&lesson=451) | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=250&lesson=4073) |
| 07/07/25 | Monday | **Physics –** Electricity and Power  | [Energy & Power Formulas Lesson |](https://cognitoedu.org/coursesubtopic/p2-gcse-aqa-h-t_5.08) | [National Grid Lesson |](https://cognitoedu.org/coursesubtopic/p2-gcse-aqa-h-t_5.09)  |
| Tuesday | [AC & DC Current Lesson |](https://cognitoedu.org/coursesubtopic/p2-gcse-aqa-h-t_5.1)  | [Plugs & Wires Lesson |](https://cognitoedu.org/coursesubtopic/p2-gcse-aqa-h-t_5.11)  |
| Wednesday | [Fuses & Earthing Lesson |](https://cognitoedu.org/coursesubtopic/p2-gcse-aqa-h-t_5.12)  | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=421&lesson=3132) |
| Thursday | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=421&lesson=4436) | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=421&lesson=4432) |
| Friday | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=421&lesson=4431) | [Greenshaw Learning Trust - Remote Learning](https://www.greenshawlearningtrust.co.uk/virtual-curriculum?group=421&lesson=4429) |
| 14/07/25 | Monday | **Retrieval Week** | [Microscopy Lesson |](https://cognitoedu.org/coursesubtopic/b2-gcse-aqa-h-t_11.01)  | [Enzymes & pH Lesson |](https://cognitoedu.org/coursesubtopic/b2-gcse-aqa-h-t_11.05)  |
| Tuesday | [Electrolysis Lesson |](https://cognitoedu.org/coursesubtopic/c2-gcse-aqa-h-t_11.03)  | [Rates of Reaction Lesson |](https://cognitoedu.org/coursesubtopic/c2-gcse-aqa-h-t_11.05)  |
| Wednesday | [Thermal Insulators Lesson |](https://cognitoedu.org/coursesubtopic/p2-gcse-aqa-h-t_10.02)  | [Resistance of a Wire Lesson |](https://cognitoedu.org/coursesubtopic/p2-gcse-aqa-h-t_10.03)  |
| Thursday | [I-V Characteristics Lesson |](https://cognitoedu.org/coursesubtopic/p2-gcse-aqa-h-t_10.04)  | [Light Lesson |](https://cognitoedu.org/coursesubtopic/p2-gcse-aqa-h-t_10.09)  |
| Friday |  |  |  |