**Walton High School Hub Curriculum** 

**Year 8 – Science Half term 5 (April 2025 – May 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 |
| 28/04/25 | Monday | **Biology** – Variation, Evolution and Extinction | [What is an ecosystem? |](https://www.thenational.academy/pupils/programmes/science-primary-year-4-l/units/ecosystems-0008/lessons/what-is-an-ecosystem-cgtpcr/overview)  | [How do we classify the diets of animals? |](https://www.thenational.academy/pupils/programmes/science-primary-year-4-l/units/ecosystems-0008/lessons/how-do-we-classify-the-diets-of-animals-6rup2c/overview)  |
| Tuesday | [Why are producers so important? |](https://www.thenational.academy/pupils/programmes/science-primary-year-4-l/units/ecosystems-0008/lessons/why-are-producers-so-important-74rp2e/overview)  | [How do we construct a food chain? |](https://www.thenational.academy/pupils/programmes/science-primary-year-4-l/units/ecosystems-0008/lessons/how-do-we-construct-a-food-chain-6mvp8t/overview)  |
| Wednesday | [How do we construct a food web? |](https://www.thenational.academy/pupils/programmes/science-primary-year-4-l/units/ecosystems-0008/lessons/how-do-we-construct-a-food-web-c4vk0c/overview)  | [What can cause disruptions to food webs? |](https://www.thenational.academy/pupils/programmes/science-primary-year-4-l/units/ecosystems-0008/lessons/what-can-cause-disruptions-to-food-webs-69jk2r/overview)  |
| Thursday  | [Where fossils are found (non-statutory) |](https://www.thenational.academy/pupils/programmes/science-primary-year-6/units/evolution-and-inheritance/lessons/where-fossils-are-found-non-statutory/overview) | [How living things have changed over time |](https://www.thenational.academy/pupils/programmes/science-primary-year-6/units/evolution-and-inheritance/lessons/how-living-things-have-changed-over-time/overview)  |
| Friday | [Human skulls: using evidence from the past (non-statutory) |](https://www.thenational.academy/pupils/programmes/science-primary-year-6/units/evolution-and-inheritance/lessons/human-skulls-using-evidence-from-the-past-non-statutory/overview)  | [Animal adaptations |](https://www.thenational.academy/pupils/programmes/science-primary-year-6/units/evolution-and-inheritance/lessons/animal-adaptations/overview)  |
| 05/05/25 | Monday  |  |  |  |
| Tuesday  | **Physics** – Speed and Distance-Time Graphs | [Calculating speed |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/moving-by-force/lessons/calculating-speed/overview)  | [Measuring speed: practical |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/moving-by-force/lessons/measuring-speed-practical/overview)  |
| Wednesday  | [Reading distance-time graphs |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/moving-by-force/lessons/reading-distance-time-graphs/overview) | [Interpreting distance-time graphs |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/moving-by-force/lessons/interpreting-distance-time-graphs/overview)  |
| Thursday  | [Changing speed |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/moving-by-force/lessons/changing-speed/overview) | [Newton's first law |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/moving-by-force/lessons/newtons-first-law/overview)  |
| Friday | [Streamlining |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/moving-by-force/lessons/streamlining/overview)  | [Comparing the speeds of different parachutes |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/moving-by-force/lessons/comparing-the-speeds-of-different-parachutes/overview)  |
| 12/05/25 | Monday | **Biology** – Adaptations | [Charles Darwin and finches |](https://www.thenational.academy/pupils/programmes/science-primary-year-6/units/evolution-and-inheritance/lessons/charles-darwin-and-finches/overview)  | [Plant adaptations |](https://www.thenational.academy/pupils/programmes/science-primary-year-6/units/evolution-and-inheritance/lessons/plant-adaptations/overview)  |
| Tuesday | [More about plant adaptations |](https://www.thenational.academy/pupils/programmes/science-primary-year-6/units/evolution-and-inheritance/lessons/more-about-plant-adaptations/overview)  | [The survival of the fittest |](https://www.thenational.academy/pupils/programmes/science-primary-year-6/units/evolution-and-inheritance/lessons/the-survival-of-the-fittest/overview)  |
| Wednesday | [Evolution: evidence |](https://www.thenational.academy/pupils/programmes/science-primary-year-6/units/evolution-and-inheritance/lessons/evolution-evidence/overview)  | [Adaptations |](https://www.thenational.academy/pupils/programmes/science-secondary-year-9/units/adaptations-competition-natural-selection-and-evolution/lessons/adaptations/overview)  |
| Thursday | [Competition |](https://www.thenational.academy/pupils/programmes/science-secondary-year-9/units/adaptations-competition-natural-selection-and-evolution/lessons/competition/overview)  | [Heritable variation |](https://www.thenational.academy/pupils/programmes/science-secondary-year-9/units/adaptations-competition-natural-selection-and-evolution/lessons/heritable-variation/overview)  |
| Friday | [Natural selection |](https://www.thenational.academy/pupils/programmes/science-secondary-year-9/units/adaptations-competition-natural-selection-and-evolution/lessons/natural-selection/overview)  | [A model of natural selection |](https://www.thenational.academy/pupils/programmes/science-secondary-year-9/units/adaptations-competition-natural-selection-and-evolution/lessons/a-model-of-natural-selection/overview)  |
| 19/05/25 | Monday | **Physics** – Acceleration and Velocity  | [Changing the speed of a parachute |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/moving-by-force/lessons/changing-the-speed-of-a-parachute/overview)  | [Measuring speed accurately |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/moving-by-force/lessons/measuring-speed-accurately/overview)  |
| Tuesday | [Different speeds (v=s/t) |](https://www.thenational.academy/pupils/programmes/physics-secondary-year-10-foundation-aqa/units/measuring-and-calculating-motion/lessons/different-speeds-vs-t/overview)  | [Measuring instantaneous speed practical (v=s/t) |](https://www.thenational.academy/pupils/programmes/physics-secondary-year-10-foundation-aqa/units/measuring-and-calculating-motion/lessons/measuring-instantaneous-speed-practical-v-s-t/overview)  |
| Wednesday | [Measuring instantaneous speed analysis (v=s/t) |](https://www.thenational.academy/pupils/programmes/physics-secondary-year-10-foundation-aqa/units/measuring-and-calculating-motion/lessons/measuring-instantaneous-speed-analysis-v-s-t/overview)  | [Velocity on a graph (v=s/t)](https://www.thenational.academy/pupils/programmes/physics-secondary-year-10-foundation-aqa/units/measuring-and-calculating-motion/lessons/velocity-on-a-graph-v-s-t/overview)  |
| Thursday | [Calculating from displacement-time graphs (v=s/t) |](https://www.thenational.academy/pupils/programmes/physics-secondary-year-10-foundation-aqa/units/measuring-and-calculating-motion/lessons/calculating-from-displacement-time-graphs-v-s-t/overview) | [Acceleration (a = Δv/t) |](https://www.thenational.academy/pupils/programmes/physics-secondary-year-10-foundation-aqa/units/measuring-and-calculating-motion/lessons/acceleration-a-equals-v-t/overview)  |
| Friday | [Calculating from velocity-time graphs (a = Δv/t) |](https://www.thenational.academy/pupils/programmes/physics-secondary-year-10-foundation-aqa/units/measuring-and-calculating-motion/lessons/calculating-from-velocity-time-graphs-a-equals-v-t/overview)  | [Calculating from motion graphs (a=Δv/t and v=s/t) |](https://www.thenational.academy/pupils/programmes/physics-secondary-year-10-foundation-aqa/units/measuring-and-calculating-motion/lessons/calculating-from-motion-graphs-a-v-t-and-v-s-t/overview)  |