**Walton High School Hub Curriculum** 

**Year 7 - Science 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** - Reproduction | [Changes in humans before and after birth |](https://www.thenational.academy/pupils/programmes/science-primary-year-5/units/human-development/lessons/changes-in-humans-before-and-after-birth/overview)  | [Changes in childhood |](https://www.thenational.academy/pupils/programmes/science-primary-year-5/units/human-development/lessons/changes-in-childhood/overview)  |
| Tuesday | [Changes during puberty |](https://www.thenational.academy/pupils/programmes/science-primary-year-5/units/human-development/lessons/changes-during-puberty/overview)  | [Changes in adulthood |](https://www.thenational.academy/pupils/programmes/science-primary-year-5/units/human-development/lessons/changes-in-adulthood/overview)  |
| Wednesday | [Changes in old age |](https://www.thenational.academy/pupils/programmes/science-primary-year-5/units/human-development/lessons/changes-in-old-age/overview)  | [More about human development |](https://www.thenational.academy/pupils/programmes/science-primary-year-5/units/human-development/lessons/more-about-human-development/overview)  |
| Thursday  | [Life expectancy (non-statutory) |](https://www.thenational.academy/pupils/programmes/science-primary-year-5/units/human-development/lessons/life-expectancy-non-statutory/overview)  | [Reproduction and inheritance |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/reproduction-in-humans/lessons/reproduction-and-inheritance/overview)  |
| Friday | [Life cycles and reproduction |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/reproduction-in-humans/lessons/life-cycles-and-reproduction/overview)  | [Puberty in humans and sexual maturity |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/reproduction-in-humans/lessons/puberty-in-humans-and-sexual-maturity/overview) |
| 09/06/25 | Monday  | **Physics** – Static Electricity and Circuit Symbols | [Static electricity |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/series-circuits/lessons/static-electricity/overview)  | [Static electricity: charge |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/series-circuits/lessons/static-electricity-charge/overview)  |
| Tuesday  | [Electrical appliances |](https://www.thenational.academy/pupils/programmes/science-primary-year-4/units/simple-electrical-circuits/lessons/electrical-appliances/overview)  | [Electrical appliances of the future (non-statutory) |](https://www.thenational.academy/pupils/programmes/science-primary-year-4/units/simple-electrical-circuits/lessons/electrical-appliances-of-the-future-non-statutory/overview)  |
| Wednesday  | [Components in a simple circuit |](https://www.thenational.academy/pupils/programmes/science-primary-year-4/units/simple-electrical-circuits/lessons/components-in-a-simple-circuit/overview)  | [Building simple circuits |](https://www.thenational.academy/pupils/programmes/science-primary-year-4/units/simple-electrical-circuits/lessons/building-simple-circuits/overview)  |
| Thursday  | [Troubleshooting problems with circuits |](https://www.thenational.academy/pupils/programmes/science-primary-year-4/units/simple-electrical-circuits/lessons/troubleshooting-problems-with-circuits/overview)  | [Switches |](https://www.thenational.academy/pupils/programmes/science-primary-year-4/units/simple-electrical-circuits/lessons/switches/overview)  |
| Friday | [Electrical conductors and insulators |](https://www.thenational.academy/pupils/programmes/science-primary-year-4/units/simple-electrical-circuits/lessons/electrical-conductors-and-insulators/overview) | [Electrical conductors: testing |](https://www.thenational.academy/pupils/programmes/science-primary-year-4/units/simple-electrical-circuits/lessons/electrical-conductors-testing/overview)  |
| 16/06/25 | Monday | **Biology** – Pregnancy and Birth | [Gametes and fertilisation in sexual reproduction |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/reproduction-in-humans/lessons/gametes-and-fertilisation-in-sexual-reproduction/overview)  | [Human reproductive organs |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/reproduction-in-humans/lessons/human-reproductive-organs/overview)  |
| Tuesday | [Gametes and fertilisation in sexual reproduction |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/reproduction-in-humans/lessons/gametes-and-fertilisation-in-sexual-reproduction/overview)  | [Gestation and birth in humans |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/reproduction-in-humans/lessons/gestation-and-birth-in-humans/overview)  |
| Wednesday | [Healthy pregnancy |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/reproduction-in-humans/lessons/healthy-pregnancy/overview)  | [Differences between infectious and non-infectious disease |](https://www.thenational.academy/pupils/programmes/science-secondary-year-9/units/disease-and-drugs/lessons/differences-between-infectious-and-non-infectious-disease/overview)  |
| Thursday | [Lifestyle diseases |](https://www.thenational.academy/pupils/programmes/science-secondary-year-9/units/disease-and-drugs/lessons/lifestyle-diseases/overview)  | [Sexually transmitted infections |](https://www.thenational.academy/pupils/programmes/biology-secondary-year-10-foundation-aqa/units/health-and-disease/lessons/sexually-transmitted-infections/overview)  |
| Friday | [Exploring puberty |](https://www.thenational.academy/pupils/programmes/rshe-pshe-secondary-year-7-l/units/changing-adolescent-body-puberty-and-menstrual-wellbeing-4d0d/lessons/exploring-puberty-c8w3gt/overview)  | [The brain during puberty |](https://www.thenational.academy/pupils/programmes/rshe-pshe-secondary-year-7-l/units/changing-adolescent-body-puberty-and-menstrual-wellbeing-4d0d/lessons/the-brain-during-puberty-c8vpat/overview)  |
| 23/06/25 | Monday | **Physics** – Circuits | [Generating and transporting electricity (non-statutory) |](https://www.thenational.academy/pupils/programmes/science-primary-year-4/units/simple-electrical-circuits/lessons/generating-and-transporting-electricity-non-statutory/overview)  | [Working with electricity |](https://www.thenational.academy/pupils/programmes/science-primary-year-4/units/simple-electrical-circuits/lessons/working-with-electricity/overview)  |
| Tuesday | [What are the different components in an electrical circuit? |](https://www.thenational.academy/pupils/programmes/science-primary-year-4-l/units/electrical-circuits-06f7/lessons/what-are-the-different-components-in-an-electrical-circuit-cdk34d/overview)  | [What are circuit diagrams? |](https://www.thenational.academy/pupils/programmes/science-primary-year-4-l/units/electrical-circuits-06f7/lessons/what-are-circuit-diagrams-6ngk0c/overview) |
| Wednesday | [What are insulators and conductors? |](https://www.thenational.academy/pupils/programmes/science-primary-year-4-l/units/electrical-circuits-06f7/lessons/what-are-insulators-and-conductors-6rtp8t/overview)  | [What happens in a circuit when we change the components? |](https://www.thenational.academy/pupils/programmes/science-primary-year-4-l/units/electrical-circuits-06f7/lessons/what-happens-in-a-circuit-when-we-change-the-components-60wp2r/overview)  |
| Thursday | [How much do we rely on electricity? |](https://www.thenational.academy/pupils/programmes/science-primary-year-4-l/units/electrical-circuits-06f7/lessons/how-much-do-we-rely-on-electricity-cnhkct/overview)  | [Components and simple circuits |](https://www.thenational.academy/pupils/programmes/science-primary-year-6/units/changing-circuits/lessons/components-and-simple-circuits/overview)  |
| Friday |  |  |  |
| 30/06/25 | Monday  | **Biology** – Contraception and STIs | [Changes in humans before and after birth |](https://www.thenational.academy/pupils/programmes/science-primary-year-5/units/human-development/lessons/changes-in-humans-before-and-after-birth/overview)  | [Changes in childhood |](https://www.thenational.academy/pupils/programmes/science-primary-year-5/units/human-development/lessons/changes-in-childhood/overview)  |
| Tuesday | [Changes during puberty |](https://www.thenational.academy/pupils/programmes/science-primary-year-5/units/human-development/lessons/changes-during-puberty/overview)  | [Changes in adulthood |](https://www.thenational.academy/pupils/programmes/science-primary-year-5/units/human-development/lessons/changes-in-adulthood/overview)  |
| Wednesday | [Changes in old age |](https://www.thenational.academy/pupils/programmes/science-primary-year-5/units/human-development/lessons/changes-in-old-age/overview)  | [More about human development |](https://www.thenational.academy/pupils/programmes/science-primary-year-5/units/human-development/lessons/more-about-human-development/overview)  |
| Thursday | [Gametes and fertilisation in sexual reproduction |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/reproduction-in-humans/lessons/gametes-and-fertilisation-in-sexual-reproduction/overview)  | [Human reproductive organs |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/reproduction-in-humans/lessons/human-reproductive-organs/overview)  |
| Friday | [Gametes and fertilisation in sexual reproduction |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/reproduction-in-humans/lessons/gametes-and-fertilisation-in-sexual-reproduction/overview)  | [Gestation and birth in humans |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/reproduction-in-humans/lessons/gestation-and-birth-in-humans/overview)  |
| 07/07/25 | Monday | **Physics** – Generating Electricity  | [Circuit symbols and diagrams |](https://www.thenational.academy/pupils/programmes/science-primary-year-6/units/changing-circuits/lessons/circuit-symbols-and-diagrams/overview)  | [Investigating voltage: plan |](https://www.thenational.academy/pupils/programmes/science-primary-year-6/units/changing-circuits/lessons/investigating-voltage-plan/overview)  |
| Tuesday | [Investigating voltage: do and review |](https://www.thenational.academy/pupils/programmes/science-primary-year-6/units/changing-circuits/lessons/investigating-voltage-do-and-review/overview)  | [Electric current |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/series-circuits/lessons/electric-current/overview)  |
| Wednesday | [Measuring electric current |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/series-circuits/lessons/measuring-electric-current/overview)  | [Measuring voltage |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/series-circuits/lessons/measuring-voltage/overview)  |
| Thursday | [Changing voltage |](https://www.thenational.academy/pupils/programmes/science-secondary-year-8/units/series-circuits/lessons/changing-voltage/overview)  | [Electrical resistance |](https://www.thenational.academy/pupils/programmes/science-secondary-year-9/units/resistance-and-parallel-circuits/lessons/electrical-resistance/overview)  |
| Friday | [Thickness of a wire |](https://www.thenational.academy/pupils/programmes/science-secondary-year-9/units/resistance-and-parallel-circuits/lessons/thickness-of-a-wire/overview)  | [Length of a wire |](https://www.thenational.academy/pupils/programmes/science-secondary-year-9/units/resistance-and-parallel-circuits/lessons/length-of-a-wire/overview)  |
| 14/07/25 | Monday | **Retrieval Week** | [Observing cells with a light microscope |](https://www.thenational.academy/pupils/programmes/science-secondary-year-7/units/cells/lessons/observing-cells-with-a-light-microscope/overview)  | [Particle model of substances in the gas state |](https://www.thenational.academy/pupils/programmes/science-secondary-year-7/units/solid-liquid-gas-states-and-changes-of-state/lessons/particle-model-of-substances-in-the-gas-state/overview)  |
| Tuesday | [The common processes of all living organisms |](https://www.thenational.academy/pupils/programmes/science-secondary-year-7/units/cells/lessons/the-common-processes-of-all-living-organisms/overview)  | [Solid and liquid states |](https://www.thenational.academy/pupils/programmes/science-secondary-year-7/units/solid-liquid-gas-states-and-changes-of-state/lessons/solid-and-liquid-states/overview)  |
| Wednesday | [Using force arrows |](https://www.thenational.academy/pupils/programmes/science-secondary-year-7/units/forces/lessons/using-force-arrows/overview)  | [Plant cell structures and their functions |](https://www.thenational.academy/pupils/programmes/science-secondary-year-7/units/cells/lessons/plant-cell-structures-and-their-functions/overview)  |
| Thursday | [Animal cell structures and their functions |](https://www.thenational.academy/pupils/programmes/science-secondary-year-7/units/cells/lessons/animal-cell-structures-and-their-functions/overview)  | [Balanced and unbalanced forces |](https://www.thenational.academy/pupils/programmes/science-secondary-year-7/units/forces/lessons/balanced-and-unbalanced-forces/overview)  |
| Friday |  |  |  |