**Walton High School Hub Curriculum** 

**Year 7 – Maths**

**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 | Topic | Lesson 1 | Lesson 2 |
| 02/06/25 | Monday | Averages | [Checking understanding of the mean |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/checking-understanding-of-the-mean/overview) | [Calculating the mean |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/calculating-the-mean/overview) |
| Tuesday | [Understanding the median |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/understanding-the-median/overview) | [Calculating the median |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/calculating-the-median/overview) |
| Wednesday | [Understanding the mode |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/understanding-the-mode/overview) | [Calculating the mode |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/calculating-the-mode/overview) |
| Thursday | [Understanding and calculating the range |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/understanding-and-calculating-the-range/overview) | [Summarising data |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/summarising-data/overview) |
| Friday | [Changing a data point |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/changing-a-data-point/overview) | [Evaluating the range |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/evaluating-the-range/overview) |
| 09/06/25 | Monday | Probability | [Equally likely outcomes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/probability-possible-outcomes/lessons/equally-likely-outcomes/overview) | [Non-equally likely outcomes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/probability-possible-outcomes/lessons/non-equally-likely-outcomes/overview) |
| Tuesday | [The scale of likelihoods |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/probability-possible-outcomes/lessons/the-scale-of-likelihoods/overview) | [Experiments to determine how likely an outcome is |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/probability-possible-outcomes/lessons/experiments-to-determine-how-likely-an-outcome-is/overview) |
| Wednesday | [Using lists to display outcomes for two events |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/probability-possible-outcomes/lessons/using-lists-to-display-outcomes-for-two-events/overview) | [Using two-way tables to display outcomes for two events |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/probability-possible-outcomes/lessons/using-two-way-tables-to-display-outcomes-for-two-events/overview) |
| Thursday | [Using an outcome tree to display outcomes for two events |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/probability-possible-outcomes/lessons/using-an-outcome-tree-to-display-outcomes-for-two-events/overview) | [Using a Venn diagram to display outcomes for two events |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/probability-possible-outcomes/lessons/using-a-venn-diagram-to-display-outcomes-for-two-events/overview) |
| Friday | [Comparing representations of outcomes for two events |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/probability-possible-outcomes/lessons/comparing-representations-of-outcomes-for-two-events/overview) | [Using lists to display outcomes for more than two events |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/probability-possible-outcomes/lessons/using-lists-to-display-outcomes-for-more-than-two-events/overview) |
| 16/06/25 | Monday | [Using an outcome tree to display outcomes for more than two events |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/probability-possible-outcomes/lessons/using-an-outcome-tree-to-display-outcomes-for-more-than-two-events/overview) | [Using a Venn diagram to display outcomes for more than two events |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/probability-possible-outcomes/lessons/using-a-venn-diagram-to-display-outcomes-for-more-than-two-events/overview) |
| Tuesday | [Comparing representations of outcomes for more than two events |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/probability-possible-outcomes/lessons/comparing-representations-of-outcomes-for-more-than-two-events/overview) | [Problem solving with possible outcomes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/probability-possible-outcomes/lessons/problem-solving-with-possible-outcomes/overview) |
| Wednesday | [Checking listing possible outcomes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/probability-theoretical-probabilities/lessons/checking-listing-possible-outcomes/overview) | [The probability scale |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/probability-theoretical-probabilities/lessons/the-probability-scale/overview) |
| Thursday | [Representing probability |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/probability-d4b5/lessons/representing-probability-71gk0r/overview) | [Complementary events |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/probability-d4b5/lessons/complementary-events-6rt30c/overview) |
| Friday | [Calculating probabilities |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/probability-d4b5/lessons/calculating-probabilities-6djk0c/overview) | [Theoretical probability and relative frequency |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/probability-d4b5/lessons/theoretical-probability-and-relative-frequency-64w36r/overview) |
| 23/06/25 | Monday | [Theoretical probability and relative frequency (Part 2) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/probability-d4b5/lessons/theoretical-probability-and-relative-frequency-part-2-c4wpar/overview) | [Comparing probabilities |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/probability-d4b5/lessons/comparing-probabilities-6wu30d/overview) |
| Tuesday | [Combined events and sample spaces (Part 1) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/probability-d4b5/lessons/combined-events-and-sample-spaces-part-1-69gp6d/overview) | [Combined events and sample spaces (Part 2) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/probability-d4b5/lessons/combined-events-and-sample-spaces-part-2-crwkee/overview) |
| Wednesday | [Frequency trees |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/probability-d4b5/lessons/frequency-trees-c5gk4c/overview) | [[Calculating the probability of combined events |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/probability-d4b5/lessons/calculating-the-probability-of-combined-events-74w6cd/overview)](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/probability-possible-outcomes/lessons/using-two-way-tables-to-display-outcomes-for-two-events/overview) |
| Thursday | [Combined Events and Tree Diagrams (Part 1) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/probability-d4b5/lessons/combined-events-and-tree-diagrams-part-1-68uk8r/overview) | [Combined events and tree diagrams (Part 2) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/probability-d4b5/lessons/combined-events-and-tree-diagrams-part-2-6hgkac/overview) |
| Friday |  |  |
| 30/06/25 | Monday | Nets and scale drawings | [Coordinates and shapes: To recognise 3-D shapes |](https://www.thenational.academy/pupils/programmes/maths-primary-year-6-l/units/coordinates-and-shape-4f3d/lessons/coordinates-and-shapes-to-recognise-3-d-shapes-crup8r/overview) | [Coordinates and shapes: To recognise nets of 3D shapes |](https://www.thenational.academy/pupils/programmes/maths-primary-year-6-l/units/coordinates-and-shape-4f3d/lessons/coordinates-and-shapes-to-recognise-nets-of-3d-shapes-crvk2r/overview) |
| Tuesday | [Coordinates and shapes: To solve problems involving 3D shapes |](https://www.thenational.academy/pupils/programmes/maths-primary-year-6-l/units/coordinates-and-shape-4f3d/lessons/coordinates-and-shapes-to-solve-problems-involving-3d-shapes-71hkgd/overview) | [Coordinates and shapes: To illustrate and name parts of a circle |](https://www.thenational.academy/pupils/programmes/maths-primary-year-6-l/units/coordinates-and-shape-4f3d/lessons/coordinates-and-shapes-to-illustrate-and-name-parts-of-a-circle-69hkec/overview) |
| Wednesday | [3-D Shapes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/volume-and-surface-area-of-prisms-7967/lessons/3-d-shapes-crwp2c/overview) | [Prisms and cylinders |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/volume-and-surface-area-of-prisms-7967/lessons/prisms-and-cylinders-c9k6cd/overview) |
| Thursday | [Nets of cubes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/volume-and-surface-area-of-prisms-7967/lessons/nets-of-cubes-crtp4d/overview) | [Nets of prisms |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/volume-and-surface-area-of-prisms-7967/lessons/nets-of-prisms-ctk38d/overview) |
| Friday | [Counting cubes (Part 1) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/volume-and-surface-area-of-prisms-7967/lessons/counting-cubes-part-1-c5jp8d/overview) | [Counting cubes (Part 2) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/volume-and-surface-area-of-prisms-7967/lessons/counting-cubes-part-2-61j3er/overview) |
| 07/07/25 | Monday | [Cuboids |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/volume-and-surface-area-of-prisms-7967/lessons/cuboids-cdjpae/overview) | [Volume of prisms and cylinders |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/volume-and-surface-area-of-prisms-7967/lessons/volume-of-prisms-and-cylinders-6nhpat/overview) |
| Tuesday | [Surface area introduction |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/volume-and-surface-area-of-prisms-7967/lessons/surface-area-introduction-6dhp2d/overview) | [Surface area conjectures |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/volume-and-surface-area-of-prisms-7967/lessons/surface-area-conjectures-c4rp6t/overview) |
| Wednesday | [Surface area of cuboids |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/volume-and-surface-area-of-prisms-7967/lessons/surface-area-of-cuboids-6mrk0d/overview) | [Surface area of cylinders |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/volume-and-surface-area-of-prisms-7967/lessons/surface-area-of-cylinders-70t68c/overview) |
| Thursday | [Coordinates and shapes: To recognise 3-D shapes |](https://www.thenational.academy/pupils/programmes/maths-primary-year-6-l/units/coordinates-and-shape-4f3d/lessons/coordinates-and-shapes-to-recognise-3-d-shapes-crup8r/overview) | [Coordinates and shapes: To recognise nets of 3D shapes |](https://www.thenational.academy/pupils/programmes/maths-primary-year-6-l/units/coordinates-and-shape-4f3d/lessons/coordinates-and-shapes-to-recognise-nets-of-3d-shapes-crvk2r/overview) |
| Friday | [Coordinates and shapes: To solve problems involving 3D shapes |](https://www.thenational.academy/pupils/programmes/maths-primary-year-6-l/units/coordinates-and-shape-4f3d/lessons/coordinates-and-shapes-to-solve-problems-involving-3d-shapes-71hkgd/overview) | [Coordinates and shapes: To illustrate and name parts of a circle |](https://www.thenational.academy/pupils/programmes/maths-primary-year-6-l/units/coordinates-and-shape-4f3d/lessons/coordinates-and-shapes-to-illustrate-and-name-parts-of-a-circle-69hkec/overview) |
| 14/07/25 | Monday | [3-D Shapes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/volume-and-surface-area-of-prisms-7967/lessons/3-d-shapes-crwp2c/overview) | [Prisms and cylinders |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/volume-and-surface-area-of-prisms-7967/lessons/prisms-and-cylinders-c9k6cd/overview) |
| Tuesday | [Nets of cubes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/volume-and-surface-area-of-prisms-7967/lessons/nets-of-cubes-crtp4d/overview) | [Nets of prisms |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/volume-and-surface-area-of-prisms-7967/lessons/nets-of-prisms-ctk38d/overview) |
| Wednesday | [Counting cubes (Part 1) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/volume-and-surface-area-of-prisms-7967/lessons/counting-cubes-part-1-c5jp8d/overview) | [Counting cubes (Part 2) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/volume-and-surface-area-of-prisms-7967/lessons/counting-cubes-part-2-61j3er/overview) |
| Thursday | [Cuboids |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/volume-and-surface-area-of-prisms-7967/lessons/cuboids-cdjpae/overview) | [Volume of prisms and cylinders |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/volume-and-surface-area-of-prisms-7967/lessons/volume-of-prisms-and-cylinders-6nhpat/overview) |
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