**Walton High School Hub Curriculum** 

**Year 10 HIGHER – 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 | Equations of Proportionality | [Simple direct proportion y = kx |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher-l/units/direct-and-inverse-proportion-e702/lessons/simple-direct-proportion-y-kx-6ctket/overview)  | [Other direct proportion relationships |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher-l/units/direct-and-inverse-proportion-e702/lessons/other-direct-proportion-relationships-6gv62e/overview)  |
| Tuesday | [Inverse proportion |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher-l/units/direct-and-inverse-proportion-e702/lessons/inverse-proportion-64upcr/overview)  | [Further proportionality |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher-l/units/direct-and-inverse-proportion-e702/lessons/further-proportionality-6wup4c/overview)  |
| Wednesday | [Simple direct proportion y = kx |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher-l/units/direct-and-inverse-proportion-e702/lessons/simple-direct-proportion-y-kx-6ctket/overview)  | [Other direct proportion relationships |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher-l/units/direct-and-inverse-proportion-e702/lessons/other-direct-proportion-relationships-6gv62e/overview)  |
| Thursday  | [Inverse proportion |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher-l/units/direct-and-inverse-proportion-e702/lessons/inverse-proportion-64upcr/overview)  | [Further proportionality |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher-l/units/direct-and-inverse-proportion-e702/lessons/further-proportionality-6wup4c/overview)  |
| Friday | [Simple direct proportion y = kx |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher-l/units/direct-and-inverse-proportion-e702/lessons/simple-direct-proportion-y-kx-6ctket/overview)  | [Other direct proportion relationships |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher-l/units/direct-and-inverse-proportion-e702/lessons/other-direct-proportion-relationships-6gv62e/overview)  |
| 09/06/25 | Monday  | [Inverse proportion |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher-l/units/direct-and-inverse-proportion-e702/lessons/inverse-proportion-64upcr/overview)  | [Further proportionality |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher-l/units/direct-and-inverse-proportion-e702/lessons/further-proportionality-6wup4c/overview)  |
| Tuesday  | [Simple direct proportion y = kx |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher-l/units/direct-and-inverse-proportion-e702/lessons/simple-direct-proportion-y-kx-6ctket/overview)  | [Other direct proportion relationships |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher-l/units/direct-and-inverse-proportion-e702/lessons/other-direct-proportion-relationships-6gv62e/overview)  |
| Wednesday  | [Inverse proportion |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher-l/units/direct-and-inverse-proportion-e702/lessons/inverse-proportion-64upcr/overview)  | [Further proportionality |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher-l/units/direct-and-inverse-proportion-e702/lessons/further-proportionality-6wup4c/overview)  |
| Thursday  | [Simple direct proportion y = kx |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher-l/units/direct-and-inverse-proportion-e702/lessons/simple-direct-proportion-y-kx-6ctket/overview)  | [Other direct proportion relationships |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher-l/units/direct-and-inverse-proportion-e702/lessons/other-direct-proportion-relationships-6gv62e/overview)  |
| Friday | [Inverse proportion |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher-l/units/direct-and-inverse-proportion-e702/lessons/inverse-proportion-64upcr/overview)  | [Further proportionality |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher-l/units/direct-and-inverse-proportion-e702/lessons/further-proportionality-6wup4c/overview)  |
| 16/06/25 | Monday | Retrieval week | [Checking understanding of arithmetic sequences |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/non-linear-relationships/lessons/checking-understanding-of-arithmetic-sequences/overview)  | [Securing understanding of arithmetic sequences |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/non-linear-relationships/lessons/securing-understanding-of-arithmetic-sequences/overview)  |
| Tuesday | [Features of geometric sequences |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/non-linear-relationships/lessons/features-of-geometric-sequences/overview)  | [Recognising geometric sequences |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/non-linear-relationships/lessons/recognising-geometric-sequences/overview)  |
| Wednesday | [Representing geometric sequences graphically |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/non-linear-relationships/lessons/representing-geometric-sequences-graphically/overview)  | [Features of special number sequences |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/non-linear-relationships/lessons/features-of-special-number-sequences/overview)  |
| Thursday | [Recognising special number sequences |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/non-linear-relationships/lessons/recognising-special-number-sequences/overview)  | [Graphing special number sequences using technology |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/non-linear-relationships/lessons/graphing-special-number-sequences-using-technology/overview)  |
| Friday | [Extrapolating a sequence |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/non-linear-relationships/lessons/extrapolating-a-sequence/overview)  | [Problem solving with non-linear relationships |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/non-linear-relationships/lessons/problem-solving-with-non-linear-relationships/overview) |
| 23/06/25 | Monday | Bounds extension | [Checking and securing understanding of rounding and truncating |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-higher/units/rounding-estimation-and-bounds/lessons/checking-and-securing-understanding-of-rounding-and-truncating/overview)  | [Checking and securing understanding of estimating through rounding |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-higher/units/rounding-estimation-and-bounds/lessons/checking-and-securing-understanding-of-estimating-through-rounding/overview)  |
| Tuesday | [Upper and lower bounds |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-higher/units/rounding-estimation-and-bounds/lessons/upper-and-lower-bounds/overview)  | [Upper and lower bounds in additive calculations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-higher/units/rounding-estimation-and-bounds/lessons/upper-and-lower-bounds-in-additive-calculations/overview)  |
| Wednesday | [Upper and lower bounds in multiplicative calculations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-higher/units/rounding-estimation-and-bounds/lessons/upper-and-lower-bounds-in-multiplicative-calculations/overview)  | [Using upper and lower bounds practically |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-higher/units/rounding-estimation-and-bounds/lessons/using-upper-and-lower-bounds-practically/overview)  |
| Thursday | [Checking and securing understanding of rounding and truncating |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-higher/units/rounding-estimation-and-bounds/lessons/checking-and-securing-understanding-of-rounding-and-truncating/overview)  | [Advanced problem solving with rounding, estimation and bounds |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-higher/units/rounding-estimation-and-bounds/lessons/advanced-problem-solving-with-rounding-estimation-and-bounds/overview)  |
| Friday |  |  |
| 30/06/25 | 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)  |
| 07/07/25 | 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 | [Calculating theoretical probabilities from lists (one event) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/probability-theoretical-probabilities/lessons/calculating-theoretical-probabilities-from-lists-one-event/overview)  | [Calculating theoretical probabilities from a table (one event) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/probability-theoretical-probabilities/lessons/calculating-theoretical-probabilities-from-a-table-one-event/overview)  |
| Friday | [Calculating theoretical probabilities from probability tree diagrams (one event) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/probability-theoretical-probabilities/lessons/calculating-theoretical-probabilities-from-probability-tree-diagrams-one-event/overview)  | [Calculating theoretical probabilities from Venn diagrams (one event) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/probability-theoretical-probabilities/lessons/calculating-theoretical-probabilities-from-venn-diagrams-one-event/overview)  |
| 14/07/25 | Monday | Retrieval week | [Conditional probability word problems |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-higher-l/units/higher-probability-conditional-and-further-set-notation-f690/lessons/conditional-probability-word-problems-cgwkec/overview)  | [Conditional probability from a two-way table |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-higher-l/units/higher-probability-conditional-and-further-set-notation-f690/lessons/conditional-probability-from-a-two-way-table-74t66t/overview)  |
| Tuesday | [Probability from a venn diagram using further set notation (2 sets) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-higher-l/units/higher-probability-conditional-and-further-set-notation-f690/lessons/probability-from-a-venn-diagram-using-further-set-notation-2-sets-6dgp8r/overview)  | [Probability from a venn diagram using further set notation (3 sets) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-higher-l/units/higher-probability-conditional-and-further-set-notation-f690/lessons/probability-from-a-venn-diagram-using-further-set-notation-3-sets-c5hkgr/overview)  |
| Wednesday | [List outcomes in a sample space diagram (two-way table) and calculate probabilities |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-higher-l/units/probability-2-sample-space-venn-diagrams-and-experimental-e6cc/lessons/list-outcomes-in-a-sample-space-diagram-two-way-table-and-calculate-probabilities-64u68r/overview)  | [Calculate experimental probabilities and make predictions (relative frequency) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-higher-l/units/probability-2-sample-space-venn-diagrams-and-experimental-e6cc/lessons/calculate-experimental-probabilities-and-make-predictions-relative-frequency-64rk8r/overview)  |
| Thursday | [Find probabilities from Venn diagrams including basic set notation |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-higher-l/units/probability-2-sample-space-venn-diagrams-and-experimental-e6cc/lessons/find-probabilities-from-venn-diagrams-including-basic-set-notation-6hgkcr/overview)  | [Find probabilities from frequency trees |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-higher-l/units/probability-2-sample-space-venn-diagrams-and-experimental-e6cc/lessons/find-probabilities-from-frequency-trees-ccukad/overview)  |
| Friday |  |  |