**Walton High School Hub Curriculum** 

**Year 11 FOUNDATION – Maths**

**Half term 3 (January 2025 – February 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 |
| 06/01/25 | Monday | Compound percentages and Growth/Decay | [Checking and securing understanding of finding a percentage |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/percentages/lessons/checking-and-securing-understanding-of-finding-a-percentage/overview) | [Checking and securing understanding of percentage increase |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/percentages/lessons/checking-and-securing-understanding-of-percentage-increase/overview)  |
| Tuesday | [Checking and securing understanding of percentage decrease |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/percentages/lessons/checking-and-securing-understanding-of-percentage-decrease/overview)  | [Percentage profit and loss |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/percentages/lessons/percentage-profit-and-loss/overview)  |
| Wednesday | [Simple and compound interest |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/percentages/lessons/simple-and-compound-interest/overview)  | [Simple interest calculations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/percentages/lessons/simple-interest-calculations/overview)  |
| Thursday  | [Simple interest calculations with technology |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/percentages/lessons/simple-interest-calculations-with-technology/overview)  | [Compound interest calculations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/percentages/lessons/compound-interest-calculations/overview)  |
| Friday | [Compound interest calculations with technology |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/percentages/lessons/compound-interest-calculations-with-technology/overview)  | [Problem solving with percentages |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/percentages/lessons/problem-solving-with-percentages/overview)  |
| 13/01/25 | Monday  | [Simple percentages without a calculator |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/percentages-971e/lessons/simple-percentages-without-a-calculator-crvpac/overview)  | [Decimal multiplier method to find percentages of an amount |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/percentages-971e/lessons/decimal-multiplier-method-to-find-percentages-of-an-amount-6rt66c/overview)  |
| Tuesday  | [Fractions greater than 1 and percentages above 100% |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/percentages-971e/lessons/fractions-greater-than-1-and-percentages-above-100percent-6hgp2c/overview)  | [Increase and Decrease an Amount by a Percentage |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/percentage-increase-and-decrease-fc15/lessons/increase-and-decrease-an-amount-by-a-percentage-6rw3gt/overview)  |
| Wednesday  | [Calculate Percentage Change |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/percentage-increase-and-decrease-fc15/lessons/calculate-percentage-change-60vkjd/overview)  | [Reverse Percentages |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/percentage-increase-and-decrease-fc15/lessons/reverse-percentages-64u34e/overview)  |
| Thursday  | [Simple Interest |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/percentage-increase-and-decrease-fc15/lessons/simple-interest-74rk0r/overview)  | [Repeated percentage increase |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/repeated-percentage-change-a753/lessons/repeated-percentage-increase-65h38t/overview)  |
| Friday | [Repeated percentage decrease |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/repeated-percentage-change-a753/lessons/repeated-percentage-decrease-c9j34r/overview)  | [Repeated percentage increase and decrease |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/repeated-percentage-change-a753/lessons/repeated-percentage-increase-and-decrease-69jk8e/overview)  |
| 20/01/25 | Monday | Congruence and similarity | [Checking understanding of similarity |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/geometrical-properties-similarity-and-pythagoras-theorem/lessons/checking-understanding-of-similarity/overview)  | [Checking understanding of congruence |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/geometrical-properties-similarity-and-pythagoras-theorem/lessons/checking-understanding-of-congruence/overview)  |
| Tuesday | [Similarity in shapes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/geometrical-properties-similarity-and-pythagoras-theorem/lessons/similarity-in-shapes/overview)  | [Congruence in shapes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/geometrical-properties-similarity-and-pythagoras-theorem/lessons/congruence-in-shapes/overview)  |
| Wednesday | [Congruent, similar or neither |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/geometrical-properties-similarity-and-pythagoras-theorem/lessons/congruent-similar-or-neither/overview)  | [Rotational symmetry |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/geometrical-properties-similarity-and-pythagoras-theorem/lessons/rotational-symmetry/overview)  |
| Thursday | [Congruent triangles (SSS) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/geometrical-properties-similarity-and-pythagoras-theorem/lessons/congruent-triangles-sss/overview)  | [Congruent triangles (SAS) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/geometrical-properties-similarity-and-pythagoras-theorem/lessons/congruent-triangles-sas/overview)  |
| Friday | [Congruent triangles (ASA and AAS) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/geometrical-properties-similarity-and-pythagoras-theorem/lessons/congruent-triangles-asa-and-aas/overview)  | [Congruent triangles (RHS) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/geometrical-properties-similarity-and-pythagoras-theorem/lessons/congruent-triangles-rhs/overview)  |
| 27/01/25 | Monday | [Applying the criteria for congruence |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/geometrical-properties-similarity-and-pythagoras-theorem/lessons/applying-the-criteria-for-congruence/overview)  | [Demonstrating Pythagoras' theorem |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/geometrical-properties-similarity-and-pythagoras-theorem/lessons/demonstrating-pythagoras-theorem/overview)  |
| Tuesday | [Length of the hypotenuse |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/geometrical-properties-similarity-and-pythagoras-theorem/lessons/length-of-the-hypotenuse/overview)  | [Length of a shorter side |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/geometrical-properties-similarity-and-pythagoras-theorem/lessons/length-of-a-shorter-side/overview)  |
| Wednesday | [Determining which side |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/geometrical-properties-similarity-and-pythagoras-theorem/lessons/determining-which-side/overview)  | [Pythagoras' theorem in context |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/geometrical-properties-similarity-and-pythagoras-theorem/lessons/pythagoras-theorem-in-context/overview)  |
| Thursday | [Checking understanding of similarity |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/geometrical-properties-similarity-and-pythagoras-theorem/lessons/checking-understanding-of-similarity/overview)  | [Problem solving with similarity and Pythagoras' theorem |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/geometrical-properties-similarity-and-pythagoras-theorem/lessons/problem-solving-with-similarity-and-pythagoras-theorem/overview)  |
| Friday | [Similarity in shapes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/geometrical-properties-similarity-and-pythagoras-theorem/lessons/similarity-in-shapes/overview)  | [Congruence in shapes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/geometrical-properties-similarity-and-pythagoras-theorem/lessons/congruence-in-shapes/overview)  |
| 03/02/25 | Monday  | Mock exams | [Recognising linear and non-linear graphs |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/quadratic-expressions-9-9-4f5c/lessons/recognising-linear-and-non-linear-graphs-chhk2e/overview)  | [Plotting quadratics (Part 1) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/quadratic-expressions-9-9-4f5c/lessons/plotting-quadratics-part-1-6wrk2t/overview)  |
| Tuesday | [Plotting quadratics (Part 2) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/quadratic-expressions-9-9-4f5c/lessons/plotting-quadratics-part-2-70wp8c/overview)  | [Quadratic contexts |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/quadratic-expressions-9-9-4f5c/lessons/quadratic-contexts-6gtpar/overview) |
| Wednesday | [Maximum and minimum area |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/quadratic-expressions-9-9-4f5c/lessons/maximum-and-minimum-area-6njkee/overview)  | [Distributive property |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/quadratic-expressions-9-9-4f5c/lessons/distributive-property-60vkjd/overview)  |
| Thursday | [Expanding double brackets |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/quadratic-expressions-9-9-4f5c/lessons/expanding-double-brackets-75hp2d/overview)  | [Difference of two squares |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/quadratic-expressions-9-9-4f5c/lessons/difference-of-two-squares-6rr68r/overview)  |
| Friday | [Factorising quadratics (Part 1) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/quadratic-expressions-9-9-4f5c/lessons/factorising-quadratics-part-1-c4v30e/overview)  | [Factorising quadratics (Part 2) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/quadratic-expressions-9-9-4f5c/lessons/factorising-quadratics-part-2-6cw6cr/overview)  |
| 10/02/25 | Monday | [Sketching quadratics |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/quadratic-expressions-9-9-4f5c/lessons/sketching-quadratics-cdh34c/overview)  | [Interesting quadratic patterns |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/quadratic-expressions-9-9-4f5c/lessons/interesting-quadratic-patterns-6rtk8d/overview)  |
| Tuesday | [Representing fractions, decimals, and percentages |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/fdp-review-9-1a-1278/lessons/representing-fractions-decimals-and-percentages-6rtk4d/overview)  | [Representing recurring decimals |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/fdp-review-9-1a-1278/lessons/representing-recurring-decimals-60u3gt/overview)  |
| Wednesday | [Reviewing addition and subtraction |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/fdp-review-9-1a-1278/lessons/reviewing-addition-and-subtraction-cmw3jc/overview)  | [Reviewing multiplication and division |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/fdp-review-9-1a-1278/lessons/reviewing-multiplication-and-division-c8u36t/overview)  |
| Thursday | [Angles in triangles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/angle-review-9-5a-1d64/lessons/angles-in-triangles-6cupad/overview) | [Angles in polygons |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/angle-review-9-5a-1d64/lessons/angles-in-polygons-cdjp4c/overview)  |
| Friday | [Straight line angles and angles around a point |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/angle-review-9-5a-1d64/lessons/straight-line-angles-and-angles-around-a-point-c5j64e/overview)  | [Angles in parallel lines |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/angle-review-9-5a-1d64/lessons/angles-in-parallel-lines-6xj3jt/overview)  |