**Walton High School Hub Curriculum** 

**Year 10 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.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Week commencing | Day | Topic | Lesson 1 | Lesson 2 |
| 06/01/25 | Monday | Basic Percentages | [Multiplicative relationships presented graphically |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/understanding-multiplicative-relationships-percentages-and-proportionality/lessons/multiplicative-relationships-presented-graphically/overview)  | [Scaling diagrams for multiplicative relationships |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/understanding-multiplicative-relationships-percentages-and-proportionality/lessons/scaling-diagrams-for-multiplicative-relationships/overview)  |
| Tuesday | [Expressing one number as a percentage of another |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/understanding-multiplicative-relationships-percentages-and-proportionality/lessons/expressing-one-number-as-a-percentage-of-another/overview)  | [Finding a percentage with a multiplier |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/understanding-multiplicative-relationships-percentages-and-proportionality/lessons/finding-a-percentage-with-a-multiplier/overview)  |
| Wednesday | [Increase by a percentage |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/understanding-multiplicative-relationships-percentages-and-proportionality/lessons/increase-by-a-percentage/overview)  | [Decrease by a percentage |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/understanding-multiplicative-relationships-percentages-and-proportionality/lessons/decrease-by-a-percentage/overview)  |
| Thursday  | [Finding the original amount after an increase |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/understanding-multiplicative-relationships-percentages-and-proportionality/lessons/finding-the-original-amount-after-an-increase/overview)  | [Finding the original amount after a decrease |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/understanding-multiplicative-relationships-percentages-and-proportionality/lessons/finding-the-original-amount-after-a-decrease/overview)  |
| Friday | [Finding the percentage change |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/understanding-multiplicative-relationships-percentages-and-proportionality/lessons/finding-the-percentage-change/overview)  | [Problem solving with percentages and proportionality |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/understanding-multiplicative-relationships-percentages-and-proportionality/lessons/problem-solving-with-percentages-and-proportionality/overview)  |
| 13/01/25 | Monday  | Angles  | [Checking and securing understanding of angle notation and drawing/measuring angles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/angles/lessons/checking-and-securing-understanding-of-angle-notation-and-drawing-measuring-angles/overview)  | [Checking and securing understanding of basic angle facts |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/angles/lessons/checking-and-securing-understanding-of-basic-angle-facts/overview)  |
| Tuesday  | [Checking and securing understanding of advanced angle facts |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/angles/lessons/checking-and-securing-understanding-of-advanced-angle-facts/overview)  | [Checking and securing understanding on chains of reasoning with angle facts |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/angles/lessons/checking-and-securing-understanding-on-chains-of-reasoning-with-angle-facts/overview)  |
| Wednesday  | [Checking and securing understanding of properties of shapes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/angles/lessons/checking-and-securing-understanding-of-properties-of-shapes/overview)  | [Checking and securing understanding of polygons |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/angles/lessons/checking-and-securing-understanding-of-polygons/overview)  |
| Thursday  | [Checking and securing understanding of interior angles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/angles/lessons/checking-and-securing-understanding-of-interior-angles/overview)  | [Checking and securing understanding of exterior angles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/angles/lessons/checking-and-securing-understanding-of-exterior-angles/overview)  |
| Friday | [Forming equations with angles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/angles/lessons/forming-equations-with-angles/overview)  | [Problem solving with angles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/angles/lessons/problem-solving-with-angles/overview)  |
| 20/01/25 | Monday | [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)  |
| Tuesday | [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)  |
| Wednesday | [Checking and securing understanding of angle notation and drawing/measuring angles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/angles/lessons/checking-and-securing-understanding-of-angle-notation-and-drawing-measuring-angles/overview)  | [Checking and securing understanding of basic angle facts |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/angles/lessons/checking-and-securing-understanding-of-basic-angle-facts/overview)  |
| Thursday | [Checking and securing understanding of advanced angle facts |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/angles/lessons/checking-and-securing-understanding-of-advanced-angle-facts/overview)  | [Checking and securing understanding on chains of reasoning with angle facts |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/angles/lessons/checking-and-securing-understanding-on-chains-of-reasoning-with-angle-facts/overview)  |
| Friday | [Checking and securing understanding of properties of shapes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/angles/lessons/checking-and-securing-understanding-of-properties-of-shapes/overview)  | [Checking and securing understanding of polygons |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/angles/lessons/checking-and-securing-understanding-of-polygons/overview)  |
| 27/01/25 | Monday | Sequences | [Checking understanding of sequences |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/sequences/lessons/checking-understanding-of-sequences/overview)  | [Securing understanding of sequences |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/sequences/lessons/securing-understanding-of-sequences/overview)  |
| Tuesday | [Formalising a sequence |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/sequences/lessons/formalising-a-sequence/overview)  | [Generating a sequence using a term-to-term rule |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/sequences/lessons/generating-a-sequence-using-a-term-to-term-rule/overview)  |
| Wednesday | [Generating a sequence using a position-to-term rule |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/sequences/lessons/generating-a-sequence-using-a-position-to-term-rule/overview)  | [Arithmetic sequences |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/sequences/lessons/arithmetic-sequences/overview)  |
| Thursday | [Expressing an arithmetic sequence |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/sequences/lessons/expressing-an-arithmetic-sequence/overview)  | [Calculating any term |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/sequences/lessons/calculating-any-term/overview)  |
| Friday | [Finding the nth term |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/sequences/lessons/finding-the-nth-term/overview)  | [Representing sequences graphically |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/sequences/lessons/representing-sequences-graphically/overview)  |
| 03/02/25 | Monday  | [Justifying terms of a sequence |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/sequences/lessons/justifying-terms-of-a-sequence/overview)  | [Problem solving with sequences |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/sequences/lessons/problem-solving-with-sequences/overview)  |
| Tuesday | [Write the nth term of a linear sequence |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/linear-sequences-f0bf/lessons/write-the-nth-term-of-a-linear-sequence-70w62d/overview)  | [Find terms of a linear sequence |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/linear-sequences-f0bf/lessons/find-terms-of-a-linear-sequence-6xhpar/overview)  |
| Wednesday | [Triangular and Fibonacci style sequences |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/linear-sequences-f0bf/lessons/triangular-and-fibonacci-style-sequences-69gk8d/overview)  | [Simple quadratic and cubic sequences |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/linear-sequences-f0bf/lessons/simple-quadratic-and-cubic-sequences-c9j6ac/overview)  |
| Thursday | [Checking understanding of sequences |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/sequences/lessons/checking-understanding-of-sequences/overview)  | [Securing understanding of sequences |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/sequences/lessons/securing-understanding-of-sequences/overview)  |
| Friday | [Formalising a sequence |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/sequences/lessons/formalising-a-sequence/overview)  | [Generating a sequence using a term-to-term rule |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/sequences/lessons/generating-a-sequence-using-a-term-to-term-rule/overview)  |
| 10/02/25 | Monday | Retrieval  | [Checking and securing understanding of fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/checking-and-securing-understanding-of-fractions/overview)  | [The identity property of multiplication and division |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/the-identity-property-of-multiplication-and-division/overview)  |
| Tuesday | [Checking and securing understanding of perimeter for standard shapes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-higher/units/2d-and-3d-shape-compound-shapes/lessons/checking-and-securing-understanding-of-perimeter-for-standard-shapes/overview) | [Checking and securing understanding of perimeter for compound shapes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-higher/units/2d-and-3d-shape-compound-shapes/lessons/checking-and-securing-understanding-of-perimeter-for-compound-shapes/overview)  |
| Wednesday | [Checking and securing understanding of area for standard shapes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-higher/units/2d-and-3d-shape-compound-shapes/lessons/checking-and-securing-understanding-of-area-for-standard-shapes/overview)  | [Checking and securing understanding of area for compound shapes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-higher/units/2d-and-3d-shape-compound-shapes/lessons/checking-and-securing-understanding-of-area-for-compound-shapes/overview)  |
| Thursday | [Percentages on a number line |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/percentages-d6a2/lessons/percentages-on-a-number-line-cru6at/overview)  | [Converting to decimals |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/percentages-d6a2/lessons/converting-to-decimals-cmvp8d/overview)  |
| Friday | [Converting from fractions to percentages |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/percentages-d6a2/lessons/converting-from-fractions-to-percentages-c4v3jd/overview)  | [Percentages of amount |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/percentages-d6a2/lessons/percentages-of-amount-6nj68r/overview)  |