**Walton High School Hub Curriculum** 

**Year 10 – MATHS FOUNDATION**

**Half term 1 (September 2025 – October 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 |
| 01/09/25 | Monday | Basic Number |  |  |
| Tuesday | [Prime Factorisation |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/prime-factor-decomposition-9030/lessons/prime-factorisation-6rw64t/overview) | [Prime Deductions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/prime-factor-decomposition-9030/lessons/prime-deductions-crtpar/overview) |
| Wednesday | [Highest common factor |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/prime-factor-decomposition-9030/lessons/highest-common-factor-60w3gd/overview) | [Highest common factors and prime factors |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/prime-factor-decomposition-9030/lessons/highest-common-factors-and-prime-factors-c8u32c/overview) |
| Thursday | [Lowest common multiple |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/prime-factor-decomposition-9030/lessons/lowest-common-multiple-6gwp8e/overview) | [Lowest common multiple and prime factors |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/prime-factor-decomposition-9030/lessons/lowest-common-multiple-and-prime-factors-6rrk8t/overview) |
| Friday | [Multiples and Factor Pairs |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/factors-multiple-and-primes-211b/lessons/multiples-and-factor-pairs-68t3gr/overview) | [Identify Prime Numbers |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/factors-multiple-and-primes-211b/lessons/identify-prime-numbers-c8vp2t/overview) |
| 08/09/25 | Monday | [Prime Factor Decomposition |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/factors-multiple-and-primes-211b/lessons/prime-factor-decomposition-ccupcr/overview) | [Using Prime Factor Decomposition |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/factors-multiple-and-primes-211b/lessons/using-prime-factor-decomposition-cnj66t/overview) |
| Tuesday | [Simple LCM and HCF |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/hcf-and-lcm-872d/lessons/simple-lcm-and-hcf-68r66t/overview) | [Finding the LCM |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/hcf-and-lcm-872d/lessons/finding-the-lcm-74t3er/overview) |
| Wednesday | [Finding the HCF |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/hcf-and-lcm-872d/lessons/finding-the-hcf-68tpcr/overview) | [Applying LCM and HCF |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/hcf-and-lcm-872d/lessons/applying-lcm-and-hcf-70w3ed/overview) |
| Thursday | [Checking understanding of factors, multiples, squares and cubes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/properties-of-number-factors-multiples-squares-and-cubes/lessons/checking-understanding-of-factors-multiples-squares-and-cubes/overview) | [Securing understanding of factors, multiples, squares and cubes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/properties-of-number-factors-multiples-squares-and-cubes/lessons/securing-understanding-of-factors-multiples-squares-and-cubes/overview) |
| Friday | [Square and cube numbers |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/properties-of-number-factors-multiples-squares-and-cubes/lessons/square-and-cube-numbers/overview) | [Square and cube roots |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/properties-of-number-factors-multiples-squares-and-cubes/lessons/square-and-cube-roots/overview) |
| 15/09/25 | Monday | Standard Form and Indices | [Checking and securing understanding of multiples of 10 |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/standard-form/lessons/checking-and-securing-understanding-of-multiples-of-10/overview) | [Checking and further securing understanding of the commutative law |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/standard-form/lessons/checking-and-further-securing-understanding-of-the-commutative-law/overview) |
| Tuesday | [Multiples of 10 involving negative exponents |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/standard-form/lessons/multiples-of-10-involving-negative-exponents/overview) | [Writing large numbers in standard form |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/standard-form/lessons/writing-large-numbers-in-standard-form/overview) |
| Wednesday | [Writing small numbers in standard form |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/standard-form/lessons/writing-small-numbers-in-standard-form/overview) | [Ordering numbers in standard form |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/standard-form/lessons/ordering-numbers-in-standard-form/overview) |
| Thursday | [Problem solving with standard form |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/standard-form/lessons/problem-solving-with-standard-form/overview) | [Addition and Subtraction in standard form |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/indices-and-standard-form-7a54/lessons/addition-and-subtraction-in-standard-form-61j34c/overview) |
| Friday | [Multiplying and dividing in standard form |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/indices-and-standard-form-7a54/lessons/multiplying-and-dividing-in-standard-form-6wv3jc/overview) | [Mixed problems with standard form |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/indices-and-standard-form-7a54/lessons/mixed-problems-with-standard-form-crw3cd/overview) |
| 22/09/25 | Monday | [Indices and Radicals |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/indices-and-standard-form-7a54/lessons/indices-and-radicals-c5h6ad/overview) | [Indices and power of 0 |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/indices-and-standard-form-7a54/lessons/indices-and-power-of-0-c8w30c/overview) |
| Tuesday | [Expressing powers of in different bases |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/indices-and-standard-form-7a54/lessons/expressing-powers-of-in-different-bases-c8rk4r/overview) | [Laws of indices |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/indices-and-standard-form-7a54/lessons/laws-of-indices-6mr3je/overview) |
| Wednesday | [Fractional Indices (Part 1) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/indices-and-standard-form-7a54/lessons/fractional-indices-part-1-c5hp8t/overview) | [Fractional Indices (Part 2) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/indices-and-standard-form-7a54/lessons/fractional-indices-part-2-6mwp8c/overview) |
| Thursday | [Negative indices |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/indices-and-standard-form-7a54/lessons/negative-indices-cgvpac/overview) | [Powers of 10 |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/indices-and-standard-form-7a54/lessons/powers-of-10-c9hp6c/overview) |
| Friday | [Checking and securing understanding of multiples of 10 |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/standard-form/lessons/checking-and-securing-understanding-of-multiples-of-10/overview) | [Checking and further securing understanding of the commutative law |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9/units/standard-form/lessons/checking-and-further-securing-understanding-of-the-commutative-law/overview) |
| 29/09/25 | Monday | Basic Algebra | [Checking and securing understanding of simplifying |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/algebraic-manipulation/lessons/checking-and-securing-understanding-of-simplifying/overview) | [Checking and securing understanding of substitution |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/algebraic-manipulation/lessons/checking-and-securing-understanding-of-substitution/overview) |
| Tuesday | [Further algebraic terminology |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/algebraic-manipulation/lessons/further-algebraic-terminology/overview) | [Checking and securing understanding of expanding a single bracket |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/algebraic-manipulation/lessons/checking-and-securing-understanding-of-expanding-a-single-bracket/overview) |
| Wednesday | [Checking and securing understanding of factorising |)](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/algebraic-manipulation/lessons/checking-and-securing-understanding-of-factorising/overview) | [Checking and securing understanding of forming linear equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/algebraic-manipulation/lessons/checking-and-securing-understanding-of-forming-linear-equations/overview) |
| Thursday | [Checking and securing understanding of solving and interpreting linear equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/algebraic-manipulation/lessons/checking-and-securing-understanding-of-solving-and-interpreting-linear-equations/overview) | [Checking and securing understanding of changing the subject |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/algebraic-manipulation/lessons/checking-and-securing-understanding-of-changing-the-subject/overview) |
| Friday | [Checking and securing understanding of the product of two binomials |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/algebraic-manipulation/lessons/checking-and-securing-understanding-of-the-product-of-two-binomials/overview) | [Checking and securing understanding of simplifying |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/algebraic-manipulation/lessons/checking-and-securing-understanding-of-simplifying/overview) |
| 06/10/25 | Monday | [Reviewing solving equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/solving-linear-simultaneous-equations-algebraically-21b2/lessons/reviewing-solving-equations-6mr30c/overview) | [Equivalent equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/solving-linear-simultaneous-equations-algebraically-21b2/lessons/equivalent-equations-c5h3jd/overview) |
| Tuesday | [Linear relationships |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/solving-linear-simultaneous-equations-algebraically-21b2/lessons/linear-relationships-chj64c/overview) | [Combining algebraic relationships |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/solving-linear-simultaneous-equations-algebraically-21b2/lessons/combining-algebraic-relationships-6ngkcc/overview) |
| Wednesday | [Exploring expressions with two variables |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/solving-linear-simultaneous-equations-algebraically-21b2/lessons/exploring-expressions-with-two-variables-c5hk6r/overview) | [Exploring systems of equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/solving-linear-simultaneous-equations-algebraically-21b2/lessons/exploring-systems-of-equations-chjp6e/overview) |
| Thursday | [Solving simultaneous equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/solving-linear-simultaneous-equations-algebraically-21b2/lessons/solving-simultaneous-equations-6dgp4c/overview) | [Writing simultaneous equations algebraically |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/solving-linear-simultaneous-equations-algebraically-21b2/lessons/writing-simultaneous-equations-algebraically-crrp8d/overview) |
| Friday | [Checking the solution of simultaneous equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/solving-linear-simultaneous-equations-algebraically-21b2/lessons/checking-the-solution-of-simultaneous-equations-64w3ar/overview) | [Solving a simultaneous equation algebraically |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/solving-linear-simultaneous-equations-algebraically-21b2/lessons/solving-a-simultaneous-equation-algebraically-6gukjd/overview) |
| 13/10/25 | Monday | [Eliminating a variable |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/solving-linear-simultaneous-equations-algebraically-21b2/lessons/eliminating-a-variable-75j3jc/overview) | [Manipulating systems of equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/solving-linear-simultaneous-equations-algebraically-21b2/lessons/manipulating-systems-of-equations-6nh3at/overview) |
| Tuesday | [Solving word problems |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/solving-linear-simultaneous-equations-algebraically-21b2/lessons/solving-word-problems-c5j36e/overview) | [Using substitution to solve simultaneous equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/solving-linear-simultaneous-equations-algebraically-21b2/lessons/using-substitution-to-solve-simultaneous-equations-6rtp2d/overview) |
| Wednesday | [Substitution or Elimination |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/solving-linear-simultaneous-equations-algebraically-21b2/lessons/substitution-or-elimination-6ngk4d/overview) | [Simultaneous equations by trial and error |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/solving-linear-simultaneous-equations-algebraically-21b2/lessons/simultaneous-equations-by-trial-and-error-cgt3et/overview) |
| Thursday | [Checking and securing understanding of interpreting graphs |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/simultaneous-equations-2-variables/lessons/checking-and-securing-understanding-of-interpreting-graphs/overview) | [Forming simultaneous equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/simultaneous-equations-2-variables/lessons/forming-simultaneous-equations/overview) |
| Friday |  |  |
| 20/10/25 | Monday | Inequalities | [Exploring equality |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/expressions-equations-and-inequalities-7d65/lessons/exploring-equality-60rkac/overview) | [Inequalities |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/expressions-equations-and-inequalities-7d65/lessons/inequalities-6ngkjc/overview) |
| Tuesday | [Further inequalities |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/expressions-equations-and-inequalities-7d65/lessons/further-inequalities-70wp2c/overview) | [Perimeter expressions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/expressions-equations-and-inequalities-7d65/lessons/perimeter-expressions-6mv3jt/overview) |
| Wednesday | [Perimeter inequalities |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/expressions-equations-and-inequalities-7d65/lessons/perimeter-inequalities-cctkjt/overview) | [Solving inequalities graphically (Part 1) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/solving-linear-simultaneous-equations-graphically-cfe7/lessons/solving-inequalities-graphically-part-1-cdgp6d/overview) |
| Thursday | [Solving inequalities graphically (Part 2) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/solving-linear-simultaneous-equations-graphically-cfe7/lessons/solving-inequalities-graphically-part-2-6mtp2r/overview) | [Shading regions to satisfy a set of inequalities |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/solving-linear-simultaneous-equations-graphically-cfe7/lessons/shading-regions-to-satisfy-a-set-of-inequalities-61h3cd/overview) |
| Friday | [Exploring equality |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/expressions-equations-and-inequalities-7d65/lessons/exploring-equality-60rkac/overview) | [Inequalities |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/expressions-equations-and-inequalities-7d65/lessons/inequalities-6ngkjc/overview) |