**Walton High School Hub Curriculum** 

**Year 7 – Maths**

**Half term 4 (February 2025 – April 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 |
| 24/02/25 | Monday | Geometrical reasoning, lines and angles | [Finding unknown angles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/angles-3770/lessons/finding-unknown-angles-6gt3ce/overview)  | [Exploring intersections |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/angles-3770/lessons/exploring-intersections-71gkee/overview)  |
| Tuesday | [Transversal angles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/angles-3770/lessons/transversal-angles-crw38t/overview)  | [Alternate angles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/angles-3770/lessons/alternate-angles-c4t3cd/overview)  |
| Wednesday | [Corresponding and allied angles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/angles-3770/lessons/corresponding-and-allied-angles-6tj68e/overview)  | [Describing coordinate positions on a grid |](https://www.thenational.academy/pupils/programmes/maths-primary-year-6-l/units/coordinates-and-shape-4f3d/lessons/describing-coordinate-positions-on-a-grid-6hgpat/overview)  |
| Thursday  | [Solving practical coordinate problems (Part 1) |](https://www.thenational.academy/pupils/programmes/maths-primary-year-6-l/units/coordinates-and-shape-4f3d/lessons/solving-practical-coordinate-problems-part-1-c9h3ec/overview)  | [Solving practical coordinate problems (Part 2) |](https://www.thenational.academy/pupils/programmes/maths-primary-year-6-l/units/coordinates-and-shape-4f3d/lessons/solving-practical-coordinate-problems-part-2-6hh34e/overview)  |
| Friday | [Find the value of missing angles |](https://www.thenational.academy/pupils/programmes/maths-primary-year-6-l/units/missing-angles-and-lengths-84fd/lessons/find-the-value-of-missing-angles-6cr3je/overview)  | [Compare and classify triangles |](https://www.thenational.academy/pupils/programmes/maths-primary-year-6-l/units/missing-angles-and-lengths-84fd/lessons/compare-and-classify-triangles-6mu6at/overview)  |
| 03/03/25 | Monday  | [Compare and classify quadrilaterals |](https://www.thenational.academy/pupils/programmes/maths-primary-year-6-l/units/missing-angles-and-lengths-84fd/lessons/compare-and-classify-quadrilaterals-71h38c/overview)  | [Find unknown angles in triangles |](https://www.thenational.academy/pupils/programmes/maths-primary-year-6-l/units/missing-angles-and-lengths-84fd/lessons/find-unknown-angles-in-triangles-6tgkcd/overview)  |
| Tuesday  | [Find the value of missing angles in quadrilaterals |](https://www.thenational.academy/pupils/programmes/maths-primary-year-6-l/units/missing-angles-and-lengths-84fd/lessons/find-the-value-of-missing-angles-in-quadrilaterals-cdgk0r/overview)  | [Lines of symmetry |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/classifying-2-d-shapes-fc45/lessons/lines-of-symmetry-6rtk2c/overview)  |
| Wednesday  | [Classifying triangles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/classifying-2-d-shapes-fc45/lessons/classifying-triangles-6rv3cc/overview)  | [Angles in a triangle |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/classifying-2-d-shapes-fc45/lessons/angles-in-a-triangle-6gv38d/overview)  |
| Thursday  | [Comparing quadrilaterals |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/classifying-2-d-shapes-fc45/lessons/comparing-quadrilaterals-cmt66t/overview)  | [Diagonals in quadrilaterals |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/classifying-2-d-shapes-fc45/lessons/diagonals-in-quadrilaterals-64u3ac/overview)  |
| Friday | [Internal angles in a quadrilateral |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/classifying-2-d-shapes-fc45/lessons/internal-angles-in-a-quadrilateral-cguk8t/overview)  | [Tessellating quadrilaterals |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/classifying-2-d-shapes-fc45/lessons/tessellating-quadrilaterals-6tgp6t/overview)  |
| 10/03/25 | Monday | Expressions, equations and formulae | [Algebraic expressions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/expressions-equations-and-inequalities-7d65/lessons/algebraic-expressions-71gp2t/overview)  | [Collecting like terms |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/expressions-equations-and-inequalities-7d65/lessons/collecting-like-terms-6tgk8r/overview)  |
| Tuesday | [Distributivity and expanding |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/expressions-equations-and-inequalities-7d65/lessons/distributivity-and-expanding-cmr36t/overview)  | [Factorising expressions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/expressions-equations-and-inequalities-7d65/lessons/factorising-expressions-cmw62e/overview)  |
| Wednesday | [Forming and exploring equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/expressions-equations-and-inequalities-7d65/lessons/forming-and-exploring-equations-70r3gr/overview)  | [Exploring equality |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/expressions-equations-and-inequalities-7d65/lessons/exploring-equality-60rkac/overview)  |
| Thursday | [Inequalities |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/expressions-equations-and-inequalities-7d65/lessons/inequalities-6ngkjc/overview)  | [Further inequalities |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/expressions-equations-and-inequalities-7d65/lessons/further-inequalities-70wp2c/overview)  |
| Friday | [Perimeter expressions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/expressions-equations-and-inequalities-7d65/lessons/perimeter-expressions-6mv3jt/overview)  | [Perimeter inequalities |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/expressions-equations-and-inequalities-7d65/lessons/perimeter-inequalities-cctkjt/overview)  |
| 17/03/25 | Monday | [Counting strategies |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/expressions-equations-and-inequalities-7d65/lessons/counting-strategies-crtk0t/overview)  | [Growing tree patterns |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/expressions-equations-and-inequalities-7d65/lessons/growing-tree-patterns-75h62t/overview)  |
| Tuesday | [Expressions and variables |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/forming-and-solving-equations-7d30/lessons/expressions-and-variables-ccrk6d/overview)  | [Equations and identities |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/forming-and-solving-equations-7d30/lessons/equations-and-identities-c8vk6t/overview)  |
| Wednesday | [Forming and solving linear equations 1 |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/forming-and-solving-equations-7d30/lessons/forming-and-solving-linear-equations-1-ccvkcr/overview)  | [Forming and solving linear equations (Part 2) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/forming-and-solving-equations-7d30/lessons/forming-and-solving-linear-equations-part-2-70u68d/overview)  |
| Thursday | [Equating linear expressions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/forming-and-solving-equations-7d30/lessons/equating-linear-expressions-6rr66c/overview)  | [Solving further linear equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/forming-and-solving-equations-7d30/lessons/solving-further-linear-equations-6wr3gc/overview)  |
| Friday | [Solving geometric problems using linear equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/forming-and-solving-equations-7d30/lessons/solving-geometric-problems-using-linear-equations-6xk66t/overview)  | [Forming and solving equations from descriptions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/forming-and-solving-equations-7d30/lessons/forming-and-solving-equations-from-descriptions-70wkct/overview)  |
| 24/03/25 | Monday  | [One Thousand and Eighty Nine |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/algebra-and-problem-solving-bd38/lessons/one-thousand-and-eighty-nine-6nhk6t/overview)  | [Pick a number |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/algebra-and-problem-solving-bd38/lessons/pick-a-number-64w34c/overview)  |
| Tuesday | [Odd or even? |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/algebra-and-problem-solving-bd38/lessons/odd-or-even-74w64d/overview)  | [Algebraic Proof |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/algebra-and-problem-solving-bd38/lessons/algebraic-proof-75k32e/overview)  |
| Wednesday | [Checking understanding of algebraic notation |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/solving-linear-equations/lessons/checking-understanding-of-algebraic-notation/overview)  | [Securing understanding of equality |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/solving-linear-equations/lessons/securing-understanding-of-equality/overview)  |
| Thursday | [Different types of equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/solving-linear-equations/lessons/different-types-of-equations/overview)  | [Equality in an equation |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/solving-linear-equations/lessons/equality-in-an-equation/overview)  |
| Friday | [Solution to an equation |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/solving-linear-equations/lessons/solution-to-an-equation/overview)  | [Many equations, one solution |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/solving-linear-equations/lessons/many-equations-one-solution/overview)  |
| 31/03/25 | Monday | [Solving simple linear equations with an additive step |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/solving-linear-equations/lessons/solving-simple-linear-equations-with-an-additive-step/overview)  | [Solving simple linear equations with a multiplicative step |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/solving-linear-equations/lessons/solving-simple-linear-equations-with-a-multiplicative-step/overview)  |
| Tuesday | [Preparing to solve two step linear equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/solving-linear-equations/lessons/preparing-to-solve-two-step-linear-equations/overview)  | [Solving two step linear equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/solving-linear-equations/lessons/solving-two-step-linear-equations/overview)  |
| Wednesday | [Rearranging to solve linear equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/solving-linear-equations/lessons/rearranging-to-solve-linear-equations/overview)  | [Solving complex linear equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/solving-linear-equations/lessons/solving-complex-linear-equations/overview)  |
| Thursday | [Brackets in equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/solving-linear-equations/lessons/brackets-in-equations/overview)  | [Solving linear equations where brackets are used |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/solving-linear-equations/lessons/solving-linear-equations-where-brackets-are-used/overview)  |
| Friday | [Solving complex linear equations involving brackets |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/solving-linear-equations/lessons/solving-complex-linear-equations-involving-brackets/overview)  | [Solving linear equations graphically using technology |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/solving-linear-equations/lessons/solving-linear-equations-graphically-using-technology/overview)  |
| 07/04/25 | 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)  |