**Walton High School Hub Curriculum** 

**Year 8 – 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 | Transformations | [Describing a translation |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/transformations/lessons/describing-a-translation/overview) | [Translating objects |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/transformations/lessons/translating-objects/overview) |
| Tuesday | [Introduction to rotations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/transformations/lessons/introduction-to-rotations/overview) | [Describing a rotation's direction and size |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/transformations/lessons/describing-a-rotations-direction-and-size/overview) |
| Wednesday | [Understanding the centre of rotation |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/transformations/lessons/understanding-the-centre-of-rotation/overview) | [Rotating objects |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/transformations/lessons/rotating-objects/overview) |
| Thursday | [Introduction to reflections |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/transformations/lessons/introduction-to-reflections/overview) | [Describing a reflection |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/transformations/lessons/describing-a-reflection/overview) |
| Friday | [Reflecting objects |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/transformations/lessons/reflecting-objects/overview) | [Introduction to enlargements |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/transformations/lessons/introduction-to-enlargements/overview) |
| 09/06/25 | Monday | Circles | [Parts of a circle |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/circles-a020/lessons/parts-of-a-circle-cmwp8d/overview) | [Circumference of a circle |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/circles-a020/lessons/circumference-of-a-circle-6cu6cd/overview) |
| Tuesday | [Fractions of a circle |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/circles-a020/lessons/fractions-of-a-circle-6mtk2d/overview) | [Compound Perimeter |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/circles-a020/lessons/compound-perimeter-c4upcc/overview) |
| Wednesday | [Area of a circle |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/circles-a020/lessons/area-of-a-circle-6ww3ge/overview) | [Finding a formula |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/circles-a020/lessons/finding-a-formula-6rwk2d/overview) |
| Thursday | [Area of sectors |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/circles-a020/lessons/area-of-sectors-64tp6r/overview) | [Compound area problems |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/circles-a020/lessons/compound-area-problems-6wt64r/overview) |
| Friday | [Coordinates and shapes: To illustrate and name parts of a circle |](https://www.thenational.academy/pupils/programmes/maths-primary-year-6-l/units/coordinates-and-shape-4f3d/lessons/coordinates-and-shapes-to-illustrate-and-name-parts-of-a-circle-69hkec/overview) | [Coordinates and shapes: To solve practical problems involving circles |](https://www.thenational.academy/pupils/programmes/maths-primary-year-6-l/units/coordinates-and-shape-4f3d/lessons/coordinates-and-shapes-to-solve-practical-problems-involving-circles-68u36d/overview) |
| 16/06/25 | Monday | [Checking understanding of area |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/perimeter-area-and-volume/lessons/checking-understanding-of-area/overview) | [Checking understanding of perimeter |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/perimeter-area-and-volume/lessons/checking-understanding-of-perimeter/overview) |
| Tuesday | [Multiplicative relationships in circles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/perimeter-area-and-volume/lessons/multiplicative-relationships-in-circles/overview) | [Circumference of a circle |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/perimeter-area-and-volume/lessons/circumference-of-a-circle/overview) |
| Wednesday | [Area of a circle |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/perimeter-area-and-volume/lessons/area-of-a-circle/overview) | [Using the formula for the area of a circle |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/perimeter-area-and-volume/lessons/using-the-formula-for-the-area-of-a-circle/overview) |
| Thursday | [Parts of a circle |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/circles-a020/lessons/parts-of-a-circle-cmwp8d/overview) | [Circumference of a circle |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/circles-a020/lessons/circumference-of-a-circle-6cu6cd/overview) |
| Friday | [Fractions of a circle |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/circles-a020/lessons/fractions-of-a-circle-6mtk2d/overview) | [Compound Perimeter |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/circles-a020/lessons/compound-perimeter-c4upcc/overview) |
| 23/06/25 | Monday | [Area of a circle |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/circles-a020/lessons/area-of-a-circle-6ww3ge/overview) | [Finding a formula |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/circles-a020/lessons/finding-a-formula-6rwk2d/overview) |
| Tuesday | [Area of sectors |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/circles-a020/lessons/area-of-sectors-64tp6r/overview) | [Compound area problems |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/circles-a020/lessons/compound-area-problems-6wt64r/overview) |
| Wednesday | [Coordinates and shapes: To illustrate and name parts of a circle |](https://www.thenational.academy/pupils/programmes/maths-primary-year-6-l/units/coordinates-and-shape-4f3d/lessons/coordinates-and-shapes-to-illustrate-and-name-parts-of-a-circle-69hkec/overview) | [Coordinates and shapes: To solve practical problems involving circles |](https://www.thenational.academy/pupils/programmes/maths-primary-year-6-l/units/coordinates-and-shape-4f3d/lessons/coordinates-and-shapes-to-solve-practical-problems-involving-circles-68u36d/overview) |
| Thursday | [Checking understanding of area |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/perimeter-area-and-volume/lessons/checking-understanding-of-area/overview) | [Checking understanding of perimeter |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/perimeter-area-and-volume/lessons/checking-understanding-of-perimeter/overview) |
| Friday |  |  |
| 30/06/25 | Monday | Constructions | [Checking compass skills |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/constructions/lessons/checking-compass-skills/overview) | [Securing the skill of using a pair of compasses |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/constructions/lessons/securing-the-skill-of-using-a-pair-of-compasses/overview) |
| Tuesday | [Understanding constructing a circle |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/constructions/lessons/understanding-constructing-a-circle/overview) | [Constructing triangles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/constructions/lessons/constructing-triangles/overview) |
| Wednesday | [Constructing rhombi |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/constructions/lessons/constructing-rhombi/overview) | [Diagonals of a rhombus |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/constructions/lessons/diagonals-of-a-rhombus/overview) |
| Thursday | [Bisecting an angle |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/constructions/lessons/bisecting-an-angle/overview) | [Perpendicular bisector of a line segment |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/constructions/lessons/perpendicular-bisector-of-a-line-segment/overview) |
| Friday | [Perpendicular to a given line through a given point |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/constructions/lessons/perpendicular-to-a-given-line-through-a-given-point/overview) | [Problem solving with constructions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/constructions/lessons/problem-solving-with-constructions/overview) |
| 07/07/25 | Monday | [Introducing loci |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/constructions-congruence-and-loci-aafd/lessons/introducing-loci-60tkae/overview) | [Perpendicular bisectors |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/constructions-congruence-and-loci-aafd/lessons/perpendicular-bisectors-69jp4t/overview) |
| Tuesday | [Angle bisectors |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/constructions-congruence-and-loci-aafd/lessons/angle-bisectors-70u64e/overview) | [Triangle centres |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/constructions-congruence-and-loci-aafd/lessons/triangle-centres-64tker/overview) |
| Wednesday | [Plan problems |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/constructions-congruence-and-loci-aafd/lessons/plan-problems-65j30c/overview) | [Congruence |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/constructions-congruence-and-loci-aafd/lessons/congruence-75gk0d/overview) |
| Thursday | [Congruence and triangles (Part 1) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/constructions-congruence-and-loci-aafd/lessons/congruence-and-triangles-part-1-6xgp8d/overview) | [Congruence and triangles (Part 2) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-9-l/units/constructions-congruence-and-loci-aafd/lessons/congruence-and-triangles-part-2-c4wp2c/overview) |
| Friday | [Checking compass skills |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/constructions/lessons/checking-compass-skills/overview) | [Securing the skill of using a pair of compasses |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/constructions/lessons/securing-the-skill-of-using-a-pair-of-compasses/overview) |
| 14/07/25 | Monday | [Understanding constructing a circle |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/constructions/lessons/understanding-constructing-a-circle/overview) | [Constructing triangles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/constructions/lessons/constructing-triangles/overview) |
| Tuesday | [Constructing rhombi |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/constructions/lessons/constructing-rhombi/overview) | [Diagonals of a rhombus |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/constructions/lessons/diagonals-of-a-rhombus/overview) |
| Wednesday | [Bisecting an angle |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/constructions/lessons/bisecting-an-angle/overview) | [Perpendicular bisector of a line segment |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/constructions/lessons/perpendicular-bisector-of-a-line-segment/overview) |
| Thursday | [Perpendicular to a given line through a given point |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/constructions/lessons/perpendicular-to-a-given-line-through-a-given-point/overview) | [Problem solving with constructions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/constructions/lessons/problem-solving-with-constructions/overview) |
| Friday |  |  |