**Walton High School Hub Curriculum** 

**Year 11 FOUNDATION – Maths**

**Half term 5 (April 2025 – May 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 |
| 28/04/25 | Monday | Further Graphs | [Write the equation of a straight line if parallel to a line and passing through (0,n) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/straight-line-graphs-2-parallel-lines-f1ea/lessons/write-the-equation-of-a-straight-line-if-parallel-to-a-line-and-passing-through-0n-6th62t/overview)  | [Write the equation of a straight line if parallel to a line and passing through any point |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/straight-line-graphs-2-parallel-lines-f1ea/lessons/write-the-equation-of-a-straight-line-if-parallel-to-a-line-and-passing-through-any-point-60t6ce/overview)  |
| Tuesday | [Find the equation of a straight line through two given points |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/straight-line-graphs-2-parallel-lines-f1ea/lessons/find-the-equation-of-a-straight-line-through-two-given-points-c5gkjd/overview)  | [Interpret gradient and intercept on real life graphs |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/straight-line-graphs-2-parallel-lines-f1ea/lessons/interpret-gradient-and-intercept-on-real-life-graphs-6xgkjd/overview)  |
| Wednesday | [Distance-time graphs |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/travel-graphs-04fc/lessons/distance-time-graphs-c9hpar/overview)  | [Calculate speed from distance time-graphs |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/travel-graphs-04fc/lessons/calculate-speed-from-distance-time-graphs-crw38d/overview)  |
| Thursday  | [Velocity-time graphs |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/travel-graphs-04fc/lessons/velocity-time-graphs-6hjket/overview)  | [Acceleration from a velocity-time graph |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/travel-graphs-04fc/lessons/acceleration-from-a-velocity-time-graph-c8v3cr/overview)  |
| Friday | [Plot simple quadratic equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/quadratic-graphs-1-a-1-0f08/lessons/plot-simple-quadratic-equations-6gr32e/overview)  | [Solving Quadratic Equations Graphically |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/quadratic-graphs-1-a-1-0f08/lessons/solving-quadratic-equations-graphically-6cr6ad/overview)  |
| 05/05/25 | Monday  | Retrieval Practice |  |  |
| Tuesday  | [Find the length of an arc on a semicircle and quarter circle and the perimeter of a semicircle and quarter circle |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-core-l/units/parts-of-circles-2-arcs-and-sectors-b105/lessons/find-the-length-of-an-arc-on-a-semicircle-and-quarter-circle-and-the-perimeter-of-a-semicircle-and-quarter-circle-6mup4d/overview) | [Find the length of an arc and the perimeter of a sector |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-core-l/units/parts-of-circles-2-arcs-and-sectors-b105/lessons/find-the-length-of-an-arc-and-the-perimeter-of-a-sector-6xj34c/overview)  |
| Wednesday  | [Use the arc length to find the radius or angle of a sector |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-core-l/units/parts-of-circles-2-arcs-and-sectors-b105/lessons/use-the-arc-length-to-find-the-radius-or-angle-of-a-sector-70wk8r/overview)  | [Calculate area of compound shapes with circles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-core-l/units/parts-of-circles-2-arcs-and-sectors-b105/lessons/calculate-area-of-compound-shapes-with-circles-68r34d/overview)  |
| Thursday  | [Find missing angles around a point and on a straight line |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-angles-polygons-bearings-0ac0/lessons/find-missing-angles-around-a-point-and-on-a-straight-line-c9k32c/overview)  | [Find missing angles in a triangle |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-angles-polygons-bearings-0ac0/lessons/find-missing-angles-in-a-triangle-6cvk4t/overview)  |
| Friday | [Find missing angles in a quadrilateral |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-angles-polygons-bearings-0ac0/lessons/find-missing-angles-in-a-quadrilateral-6gukar/overview)  | [Find missing angles in a special quadrilateral |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-angles-polygons-bearings-0ac0/lessons/find-missing-angles-in-a-special-quadrilateral-6gtk4d/overview)  |
| 12/05/25 | Monday | [Angles in parallel lines with one transversal |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-angles-polygons-bearings-0ac0/lessons/angles-in-parallel-lines-with-one-transversal-cgukgt/overview)  | [Angles in parallel lines with two transversals |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-angles-polygons-bearings-0ac0/lessons/angles-in-parallel-lines-with-two-transversals-6ww66t/overview)  |
| Tuesday | [Find missing exterior angles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-angles-polygons-bearings-0ac0/lessons/find-missing-exterior-angles-cgu64e/overview)  | [Solve problems involving exterior angles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-angles-polygons-bearings-0ac0/lessons/solve-problems-involving-exterior-angles-6wrkgd/overview)  |
| Wednesday | [Find missing exterior angles of polygons |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-angles-polygons-bearings-0ac0/lessons/find-missing-exterior-angles-of-polygons-64t38r/overview)  | [Finding the sum of interior angles in a polygon |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-angles-polygons-bearings-0ac0/lessons/finding-the-sum-of-interior-angles-in-a-polygon-ctk30e/overview)  |
| Thursday | [Find the number of sides when given the sum of interior angles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-angles-polygons-bearings-0ac0/lessons/find-the-number-of-sides-when-given-the-sum-of-interior-angles-68w3jc/overview)  | [Find missing angles when two or more polygons are joined |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-angles-polygons-bearings-0ac0/lessons/find-missing-angles-when-two-or-more-polygons-are-joined-cgr64t/overview)  |
| Friday | [Find the mean, median, mode and range from a list of numbers |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-data-mean-table-cf-charts-f08b/lessons/find-the-mean-median-mode-and-range-from-a-list-of-numbers-chhker/overview)  | [Stem and leaf diagrams |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-data-mean-table-cf-charts-f08b/lessons/stem-and-leaf-diagrams-6gr3je/overview)  |
| 19/05/25 | Monday | [Mean from a frequency table |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-data-mean-table-cf-charts-f08b/lessons/mean-from-a-frequency-table-6thp2e/overview)  | [Mean from a grouped frequency table |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-data-mean-table-cf-charts-f08b/lessons/mean-from-a-grouped-frequency-table-65h6ad/overview)  |
| Tuesday | [Plot a cumulative frequency diagram |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-data-mean-table-cf-charts-f08b/lessons/plot-a-cumulative-frequency-diagram-6cw34r/overview)  | [Find quartiles and interquartile range from CF diagram |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-data-mean-table-cf-charts-f08b/lessons/find-quartiles-and-interquartile-range-from-cf-diagram-cmw3at/overview)  |
| Wednesday | [Find quartiles from a list of data |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-data-mean-table-cf-charts-f08b/lessons/find-quartiles-from-a-list-of-data-61k34t/overview)  | [Plot a box plot and compare distributions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-data-mean-table-cf-charts-f08b/lessons/plot-a-box-plot-and-compare-distributions-cgrk2t/overview)  |
| Thursday | [Solving one-step equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/revise-solving-equations-7d3e/lessons/solving-one-step-equations-chk32d/overview)  | [Solving two-step equations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/revise-solving-equations-7d3e/lessons/solving-two-step-equations-60tk8d/overview)  |
| Friday | [Solving equations with brackets |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/revise-solving-equations-7d3e/lessons/solving-equations-with-brackets-6rt3ec/overview)  | [Solving equations with unknown on both sides |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/revise-solving-equations-7d3e/lessons/solving-equations-with-unknown-on-both-sides-6xgkar/overview)  |