**Walton High School Hub Curriculum** 

**Year 7 – 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 | Sequences | [Representing sequences graphically |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/sequences/lessons/representing-sequences-graphically/overview)  | [Problem solving with sequences |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/sequences/lessons/problem-solving-with-sequences/overview)  |
| Tuesday | [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)  |
| Wednesday | [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)  |
| Thursday  | [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)  |
| Friday | [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)  |
| 05/05/25 | Monday  |  |  |  |
| Tuesday  | Preparation for Assessment | [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)  |
| Wednesday  | [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)  |
| Thursday  | [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)  |
| Friday | [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)  |
| 12/05/25 | Monday | Averages | [Checking understanding of the mean |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/checking-understanding-of-the-mean/overview)  | [Calculating the mean |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/calculating-the-mean/overview)  |
| Tuesday | [Understanding the median |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/understanding-the-median/overview)  | [Calculating the median |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/calculating-the-median/overview)  |
| Wednesday | [Understanding the mode |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/understanding-the-mode/overview)  | [Calculating the mode |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/calculating-the-mode/overview)  |
| Thursday | [Understanding and calculating the range |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/understanding-and-calculating-the-range/overview)  | [Summarising data |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/summarising-data/overview)  |
| Friday | [Changing a data point |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/changing-a-data-point/overview)  | [Evaluating the range |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/evaluating-the-range/overview)  |
| 19/05/25 | Monday | [Comparing statistical representations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/comparing-statistical-representations/overview)  | [Comparing summaries of data |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/comparing-summaries-of-data/overview)  |
| Tuesday | [Analysing different statistical representations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/analysing-different-statistical-representations/overview)  | [Correlation |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/correlation/overview) |
| Wednesday | [Statistical problems - data collection |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/statistical-problems-data-collection/overview)  | [Statistical problems - statistical summaries |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/statistical-problems-statistical-summaries/overview)  |
| Thursday | [Statistical problems - data presentations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/statistical-problems-data-presentations/overview)  | [Statistical problems - drawing conclusions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/statistical-problems-drawing-conclusions/overview)  |
| Friday | [Problem solving with numerical summaries of data |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8/units/numerical-summaries-of-data/lessons/problem-solving-with-numerical-summaries-of-data/overview)  | [Find the mean, median, mode and range from a list of numbers |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-core-l/units/averages-from-a-list-and-tables-stem-and-leaf-2afc/lessons/find-the-mean-median-mode-and-range-from-a-list-of-numbers-chhker/overview)  |