# Remote Learning Guide
# Mathematics

w.c 4th May 2026

## What is the remote learning guide?

Where students are unable to attend school due to, medical, or disciplinary reasons we will continue to provide resources to enable students to continue their education at home – we call this remote learning. We want to minimise the impact to your child's education and therefore we have a plan to make sure learning can continue when they are unable to attend school.

We will be providing all teaching resources through Microsoft Teams. All students will be automatically placed in a Team for their classes in all subjects. Teachers will place all activities, including lessons and resources as files in these Teams. Pupils can access the Teams through their school email accounts. Teachers will also set homework and send messages to their pupils using MS Teams. All work will be available before the lesson is due to start.

You can see a summary of what is being taught each week through the remote learning guides that are shared on the school website every Friday. The guides are also shared with students on their year group's MS Teams. Your child's teachers will also be available via email to answer any questions or queries your child may have. The email address for the head of each department is also included within this guide if you need to contact them regarding any subject related issue.

Pupils are also regularly set tasks and can access resources using the following platforms:

- **GCSEPod** - https://www.gcsepod.com/
- **Bedrock learning** - https://bedrocklearning.org/
- **Seneca -** https://senecalearning.com/en-GB/
- **UpLearn** - www.uplearn.co.uk
- **Sparx Maths -** https://sparxmaths.com/

The following resources provide lessons created by the BBC and Department for Education that may be used with your children to extend their learning at school.

- **Oak National Academy** - https://www.thenational.academy/
- **BBC Bitesize Daily Lessons** - https://www.bbc.co.uk/bitesize/dailylessons

Studies show that reading for pleasure makes a big difference to children's educational performance. We recognise that reading is vitally important to your child's education. Please make sure your child reads approximately one book a week. Students may access online news resources using The Day - https://theday.co.uk/ or they may borrow a book from the school library.

***Students record the passwords for these online resources in their school planner. If your child is unable to access the digital resources set by their teachers, please contact your child's Year Manager or Year Coordinator or the school directly using this email address:*** *enquiry@holte.bham.sch.uk*

## Year 7

**Head of Department:** ALN

**What is your child learning this term?**

This term pupils will cover the following areas: Speed, Distance & Time, Properties of Number, Add and Subtract Fractions, Angles and Polygons

Homework set every Wednesday 8am on Sparx Maths - Home and is due in the following Wednesday by 8pm

All resources are available on TEAMS.

| Class | Teacher | Lessons, including homework deadlines & resources |
|---|---|---|
| 7ma1 | RAR | Mon: Bank Holiday<br>Tue: Solve problems with speed, distance and time<br>Fri: Interpret distance time graph |
| 7ma2 | DAM, ALB | Mon: Bank Holiday<br>Tue: Conversion between fraction and percentages<br>Thu: Percentages and quantities<br>Fri: Percentage of an amount (non-calculator & calculator) |
| 7ma3 | HEW, HOA | Mon: Bank Holiday<br>Tue: Perimeter of a polygon & compound shape<br>Thu: Area of rectangles & Parallelograms<br>Fri: Adding fractions |
| 7ma4 | ABB, SSP | Mon: Bank Holiday<br>Tue: Area of rectangles and parallelograms<br>Thu: Area of a triangle<br>Fri: Area of a trapezium |
| 7ma5 | ALB, ALN | Mon: Bank Holiday<br>Tue: Prime numbers & product of primes<br>Thu: Speed, Distance, Time |
| 7ma6 | HEW | Mon: Bank Holiday<br>Tue: Percentage increase & decrease<br>Thu: Use a percentage to find a whole |
| 7ma7 | ABB, DAM | Mon: Bank Holiday<br>Tue: Conversion between fractions and percentages<br>Thu: Percentages and quantities |
| 7ma8 | IKR | Mon: Bank Holiday<br>Tue: Direct Number and Number lines<br>Thu: Compare and Order Directed Numbers |
| 7N | SLL | Mon: Bank Holiday<br>Tues: Direct Number and Number lines<br>Thurs: Compare and Order Directed Numbers<br>Fri: Calculations that cross zero |

## Year 8

**Head of Department:** ALN

**What is your child learning this term?**

This term pupils will cover the following areas: Angles in Parallel Lines and Polygons, Tables and Probability, Circles, Graphs and Charts, Sequences

Homework set every Wednesday 8am on Sparx Maths - Home and is due in the following Wednesday by 8pm

All resources are available on TEAMS.

| Class | Teacher | Lessons, including homework deadlines & resources |
|---|---|---|
| 8Ma1 | SSP | Tue: Inequalities on a number line<br>Thu: Solving inequalities<br>Fri: Unit test |
| 8Ma2 | HOA | Tue: Inequalities on a number line<br>Thu: Solving inequalities<br>Fri: Unit test |
| 8Ma3 | ALB, HEW | Tue: Revision & Unit test<br>Thu: Types of data<br>Fri: solve equations |
| 8Ma4 | SLL | Tue: Revision and Unit Test<br>Thu: Types of data<br>Fri: Solve equations |
| 8Ma5 | ABB | Tue: Negative indices<br>Wed: Fractional indices<br>Thu: End of Unit Test |
| 8Ma6 | RAR | Tue: Percentage of an amount<br>Wed: convert between fractions and decimals<br>Thu: Use multipliers to find percentage |
| 8Ma7 | IKR | Tue: Percentage of an amount<br>Wed: Convert between percentages and decimals<br>Thu: Use multipliers to calculate percentages |
| 8Ma8 | ALB, SSP | Tue: Revision<br>Wed: Revision<br>Thu: Unit test |

# Year 9

**Head of Department:** ALN

**What is your child learning this term?**

This term pupils will cover the following areas:

**Foundation**

- **Averages and Range –** Estimating the mean, Sampling
- **Perimeter, Area and Volume –** Surface Area of 3D Solids, Volume of Prisms. Problem solving involving Surface Area and Volume
- **Transformations –** Translation, Reflection, Rotation, Enlargements, Describing Transformations, Combining Transformations

**Higher**

- **Angles and trigonometry –** Angles in Polygons, Interior and Exterior Angles, Pythagoras, Trigonometry
- **Graphs –** Line Segments, Quadratics Graphs, Cubic Graphs, Non-Linear Graphs
- **Equations and inequalities –** Solving Quadratics, Completing the Square, Simultaneous Equations, Solving Inequalities

Homework set every Wednesday 8am on Sparx Maths - Home and is due in the following Wednesday by 8pm

All resources are available on TEAMS.

| Class | Teacher | Lessons, including deadlines & resources |
|---|---|---|
| 9Ma1 | HEW, RAR | Mon: Bank Holiday<br>Tue: Unit test<br>Wed: Linear graphs<br>Thurs: More linear graphs<br>Fri: Graphing rates of change |
| 9Ma2 | ALB, SSP | Mon: Bank Holiday<br>Tue: Revision<br>Wed: Revision<br>Thurs: Unit test<br>Fri: Plans and elevations of 3D solids |
| 9Ma3 | ABB, KWC, VKS | Mon: Bank Holiday<br>Tue: Unit test<br>Wed: Linear graphs<br>Thurs: More linear graphs<br>Fri: Graphing rates of change |
| 9Ma4 | SLL, ALN | Mon: Bank Holiday<br>Tue: mode, median and range from a table<br>Wed: Mean from table<br>Thurs: Revision- Averages<br>Fri: coordinate graphs |
| 9Ma5 | HOA, ALN | Mon: Bank Holiday<br>Mon: Bank Holiday<br>Tue: Pythagoras<br>Wed: Pythagoras between 2 points<br>Thurs: Trigonometry (SOH CAH TOA) |
| 9Ma6 | ABB, SSP | Mon: Bank Holiday<br>Mon: Bank Holiday |

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|---|---|---|
| | | Tue: Angles in Parallel Lines 1<br>Wed: Angles in Parallel Lines 2<br>Thurs: Angles in Algebra |
| 9Ma7 | ALB, RAR, HEW | Mon: Bank Holiday<br>Mon: Bank Holiday<br>Tue: Perimeter & area of compound shapes<br>Wed: Surface area of cuboids & prisms<br>Thurs: Volume of cuboids |
| 9Ma8 | MFR, KWC | Mon: Bank Holiday<br>Mon: Bank Holiday<br>Tue: Area of Triangle<br>Wed: Area of Trapezium<br>Thurs: Area of Compound Shapes |

## Year 10

**Head of Department:** ALN

**What is your child learning this term?**

Foundation: Pupils will be the following area this term: Quadratic equations and graphs, Perimeter, area and volume, Fractions, indices and standard form
Higher: Circle theorems, More algebra, Vectors and geometric proof, Proportion and graphs

Homework set every Wednesday 8am on Sparx Maths - Home and is due in the following Wednesday by 8pm

All resources are available on TEAMS.

| Class | Teacher | Lessons, including homework deadlines & resources |
|---|---|---|
| 10Ma1 | IKR | Mon: Bank Holiday<br>Tue: Circle Theorems<br>Thu: Circle Theorems<br>Fri: Circle Theorems |
| 10Ma2 | DAM | Mon: Bank Holiday<br>Tue: More Circles Theorems<br>Thu: Circles and Tangents<br>Fri: First 10 |
| 10Ma3 | HOA, ABB | Mon: Bank Holiday<br>Tue: Expanding double brackets & Substitution<br>Thu: Plotting Quadratic functions<br>Fri: First 10 |
| 10Ma4 | ALB | Mon: Bank Holiday<br>Tue: Expanding double brackets & Substitution<br>Thu: Plotting Quadratic functions<br>Fri: First 10 |
| 10Ma5 | ALN, MFR | Tue: Vectors<br>Wed: Revision- Exam topic list.<br>Fri: First 10 Paper |

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|---|---|---|
| 10Ma6 | SSP | Tue: Vectors<br>Wed: Revision- Exam topic list<br>Fri: First 10 Paper |
| 10Ma7 | HOA | Tue: Pythagoras between 2 points<br>Wed: Trigonometry (SOH CAH TOA)<br>Fri: First 10 |
| 10Ma8 | ABB | Tue: Exterior Angles<br>Wed: Unit Revision<br>Fri: End of Unit Test |

## Year 11

**Head of Department:**

**What is your child learning this term?**

Foundation: Preparation for Public Examinations. PLC Topics identified as areas of focus
Higher: Preparation for Public Examinations. PLC Topics identified as areas of focus

Homework set every Wednesday 8am on Sparx Maths - Home and is due in the following Wednesday by 8pm

All resources are available on TEAMS.

| Class | Teacher | Lessons, including homework deadlines & resources |
|---|---|---|
| 11Ma1 | ALN | Mon: Bank Holiday<br>Thu: Mixed problem solving<br>Fri: Practice paper |
| 11Ma2 | HOA | Mon: Bank Holiday<br>Thu: Mixed problem solving<br>Fri: First 10 |
| 11Ma3 | MFR | Mon: Bank Holiday<br>Thu: Complete and use a frequency tree<br>Fri: Middle 10 Paper |
| 11Ma4 | RAR | Mon: Bank Holiday<br>Thu: Simultaneous Equations/ Volume of cylinder and sphere<br>Fri: Volume of a cone |
| 11Ma5 | DAM | Mon: Bank Holiday<br>Wed: Algebraic proofs & mixed problem solving<br>Thu: Indices & Surds practice<br>Fri: Middle 10 |
| 11Ma6 | HEW | Mon: Bank Holiday<br>Wed: Algebra problems<br>Thu: Fractions, decimals & percentages<br>Fri: Non-calculator practice |
| 11Ma7 | IKR | Mon: Bank Holiday<br>Wed: Quadratic Graphs |

| | | |
|---|---|---|
| | | Thu: Averages from grouped frequency tables<br>Fri: Working with ratio |
| 11Ma8 | SSP | Mon: Bank Holiday<br>Wed: Quadratic Graphs<br>Thu: Averages from grouped frequency tables<br>Fri: First 10 |

| **6th Form** | | |
|---|---|---|
| **Head of Department:** | | |
| **What is your child learning this term?** | | |
| **Year 12**<br>• Pure Maths: Differentiation, Integration, Logarithms<br>• Statistics and Mechanics: Constant Acceleration, Forces and Motion, Variable Acceleration<br>**Year 13** – Preparation for Public Examinations. PLC Topics identified as areas of focus | | |
| **Class** | **Teacher** | **Lessons, including homework deadlines & resources** |
| 12B | MFR VKS | Wed (MFR): Differentiation<br>Wed (VKS): Vector modelling<br>Thurs (MFR): Differentiation<br>Thurs (VKS): Logarithms<br>Fri (MFR): Differentiation |
| **12C** | IKR, MEK, MFR | Mon (MFR): Differentiation<br>Tue (VKS): Modelling using vectors<br>Wed (IKR): Integration<br>Fri (KWC): Forces and motion |
| **13A** | KWC, VKS, | Mon (KWC): Statistics consolidation<br>Wed (VKS): Feedback from assessment<br>Thurs (VKS): Vector revision |
| **13C** | MFR, VKS | Tue (VKS): Vector revision<br>Tue (MFR): Year 12 Consolidation<br>Thurs (VKS): Differentiation – problem solving<br>Fri (KWC): Statistics consolidation<br>Fri (MFR): Year 12 Consolidation |
| RM1 | DAM, KWC, MFR | Mon (DAM): Exam Paper<br>Tue (DAM): Exam Paper<br>Wed (MFR): Exam Paper<br>Wed (KWC): Exam Paper |
| **RM2** | ABB, HEW, ALN, IKR, RAR | Mon (RAR): Exam Paper<br>Mon (ALN): Exam practice<br>Wed (HEW): Exam practice<br>Fri (IKR): Exam Practice |