

# Remote Learning Guide

## Mathematics



w.c 13<sup>th</sup> April 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](http://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](mailto: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: Percentage increase and decrease Wed: Solve problems with fractions and percentages number greater than 1 Fri: Unit test
7ma2	DAM, ALB	Mon: Revision of operations with fractions Wed: Fractions in context Fri: Fractions as division & Convert fractions, decimals and percentages
7ma3	HEW, HOA	Mon: Subtract directed numbers Wed: Multiply and Divide directed numbers Fri: convert fractions decimals and percentages
7ma4	ABB, SSP	Mon: Represent tenths and hundredths Wed: Number lines with fractions and decimals Fri: Tenths, hundredths, fifths and quarters
7ma5	ALB, ALN	Mon: Percentage of an amount (non-calculator) & Percentage of an amount (calculator) Wed: Percentage increase and decrease Thurs: Revision of prior topics Fri: Use a percentage to find the whole
7ma6	HEW	Mon: Directed number and number lines Wed: Compare and order directed numbers/calculations that cross zero Thurs: Add/Subtract directed numbers Fri: Multiply & Divide directed numbers
7ma7	DAM	Mon: Directed number and number lines Wed: Compare and order directed numbers/calculations that cross zero Thurs: Revision of operations with fractions Fri: Multiply & Divide directed numbers
7ma8	IKR	Mon: Understand Percentages Wed: Convert simple fractions Thurs: Fractions as diagrams Fri: Fractions on a number line
7N	SLL	Mon: Explore equal parts Wed: Fractions on number lines Fri: Begin to understand percentages

## 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	Tues: Use Multipliers to find percentages Wed: Convert between decimals and percentages greater than 1 Thurs: Percentage Increase/Decrease using a multiplier Fri: Find the original value given a percentage
8Ma2	HOA	Tues: Spring review Wed: Understand the units of density, mass and volume Thurs: Solve problems with density, mass and volume Fri: End of Unit Assessment
8Ma3	ALB, HEW	Tues: Numbers between 0 and 1 in standard form Wed: Volume of cubes & cuboids Thurs: Convert metric units of mass & capacity Fri: Solve problems with density mass and volume
8Ma4	SLL	Tues: Use bar models Wed: Solve 1-step equations Thurs: Solve 1-step equations Fri: Solve 2-step equations
8Ma5	ABB	Tues: Percentage of an amount Wed: Convert between percentages and decimals Thurs: Use multipliers to find percentages Fri: Convert between decimals and percentages greater than 1
8Ma6	RAR	Tues: Spring review Wed: Solve equations with unknown on both sides Thurs: Understand inequality on a number line Fri: Solve simple inequalities
8Ma7	IKR	Tues: Solve equations with unknown on both sides Wed: Understand and use inequalities Thurs: Solve inequalities Fri: Form and solve inequalities
8Ma8	ALB, SSP	Tues: Percentage of an amount Wed: Convert between percentages and decimals Thurs: Use multipliers to find percentages Fri: Convert between decimals and percentages greater than 1

## 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, HOA, RAR	Mon: Angle properties of triangles & quadrilaterals Thurs: Interior angles of a polygon Fri: Fractional and negative indices
9Ma2	ALB, SSP	Mon: Angles in a triangle Thurs: Angles in a quadrilateral Fri: Interior angles of a polygon
9Ma3	ABB, KWC, VKS	Mon: Estimating The Mean Thurs: Estimations Fri: Choosing Averages
9Ma4	SLL, ALN	Mon: Plot and read coordinates in 1 <sup>st</sup> quadrant Thurs: Plot and read coordinates in 1 <sup>st</sup> quadrant Fri: Unit test
9Ma5	HOA, ALN	Mon: Spring review Mon: Properties of Shapes Thu: Angles in Triangles
9Ma6	ABB, SSP	Mon: Properties of special triangles. Mon: Properties of special quadrilaterals. Thu: Angles in a triangle
9Ma7	ALB, RAR, HEW	Mon: Averages & range recap including tables Mon (ALB): Mean & estimating the mean Thu: Consolidation of averages & range
9Ma8	MFR, KWC	Mon: Estimating The Mean Mon: Choosing Averages Thu: Comparing Data

## 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: Solving quadratics graphically Tues: Iterations Thurs: End of unit assessment
10Ma2	DAM	Mon: Angles & Circles 1 Tues: Angles & Circles 2 Thurs: Circle & Tangents
10Ma3	HOA, ABB	Mon: Ratio Tues: Revision Thurs: End of Unit Test
10Ma4	ALB	Mon: Plans & Elevations 2 Tues: Constructions & Scale drawings/maps Thurs: Nets & Bisectors
10Ma5	ALN, MFR	Tues: Algebraic fractions Wed: Revision of unit Thurs: Iterations Fri: Unit Review
10Ma6	SSP	Tues: Area and Perimeter of Segments Wed: Bearings Thurs: Solve problems involving non-right-angled triangles Fri: 3D Pythagoras and Trigonometry
10Ma7	HOA	Tues: Simplifying Ratios Wed: Writing Ratios Thurs: Ratios and Fractions Fri: Foundation mini test (practice)
10Ma8	ABB	Tues: Angles & Lines Wed: Angles in a triangle Thurs: Quadrilaterals Fri: Angles in Parallel Lines

## Year 11

**Head of Department:** ALN

### 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 HEW	Mon: Securing Grade 7 - Interleaved topics covering key exam topics % Problems solving involving geometry Tues: Middle 10 paper feedback and weak topics support & Problem solving involving geometry Wed: Problem solving involving ratio and proportion Thurs: Problem solving involving probability
11Ma2	DAM	Mon: FDPR (fractions, decimals, percentages) drills + compound interest Tues: Quadratics (factorising, completing the square, quadratic formula). Wed: Simultaneous equations (algebraic & graphical methods) Thurs: Trigonometry (sine/cosine rule, area of triangle). 20-minute exam style
11Ma3	MFR	Mon: Factors and Multiples Tues: Word problem involving ratio Wed: Problem involving scale Thurs: Reciprocal and Error Intervals
11Ma4	RAR	Mon: substitute into an expression Tues: Word problems involving fraction Wed: Word problems including metric conversions Thurs: Word problems involving ratio and fractions
11Ma5	DAM MFR	Mon: FDPR (fractions, decimals, percentages) drills + compound interest Tues: Quadratics (factorising, completing the square, quadratic formula). Fri: Vectors
11Ma6	HEW	Mon: Using the quadratic formula Tues: Solving linear & quadratic simultaneous equations Fri: Compound solid problems & Pythagoras Theorem
11Ma7	IKR	Mon: Factors and Multiples Tues: Word problem involving ratio Fri: Problem involving scale
11Ma8	SSP	Mon: Equation of a Line Tues: Area and Circumference of Circles Fri: Changing the Subject

## 6<sup>th</sup> Form

**Head of Department: ALN**

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

**Year 12**

- Pure Maths: Differentiation, Integration, Logarithms
- Statistics and Mechanics: Constant Acceleration, Forces and Motion, Variable Acceleration

**Year 13** – Preparation for Public Examinations. PLC Topics identified as areas of focus

<b>Class</b>	<b>Teacher</b>	<b>Lessons, including homework deadlines &amp; resources</b>
<b>12B</b>	MFR VKS	Wed (MFR): Trigonometric Identities Thurs (MFR): Trigonometric Identities Fri (KWC): Critical regions for hypothesis tests
<b>12C</b>	IKR, KWC, MFR	Mon (KWC): Forces and motion Tues (IKR): Integrating $x^n$ Wed (IKR): Indefinite Integrals Fri (KWC): Forces and motion
<b>13A</b>	KWC, VKS,	Mon (KWC): Trapezium rule, assessment feedback Wed (VKS): Assessment feedback – Pure maths Paper 1 Thurs (KWC): Statistics consolidation
<b>13C</b>	MFR, VKS	Mon (KWC): Assessment feedback Tues (MFR): Year 12 Consolidation Thurs (VKS): Assessment feedback – Pure maths Paper 1 Fri (MFR): Year 12 Consolidation Fri (KWC): Statistics consolidation
<b>RM1</b>	ALN, KWC, HEW	Mon (KWC): Exam practice Tue (HEW): Exam Practice Wed (KWC): Exam practice
<b>RM 2</b>	DAM, SSP HEW	Mon (HEW): Exam Practice Tue (SSP): Exam Practice Tue (DAM): Exam Practice Wed (SSP): Exam Practice