

# Remote Learning Guide

## Mathematics



w.c 16<sup>th</sup> March 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: Graphing Data, Fractions Decimals and Percentages, Directed Number, Fractions and Percentages of Amounts and Perimeter and Area

Homework set every Wednesday 8am on [Sparx Maths - Home](#) and is due in the following Wednesday by 8pm

All resources are available on TEAMS.

<b>Class</b>	<b>Teacher</b>	<b>Lessons, including homework deadlines &amp; resources</b>
7ma1	RAR	Mon: Unit test 5 Wed: Feedback session Fri: Independent practice unit test
7ma2	DAM, ALB	Mon: Composite Bar Charts Wed: Coordinates Fri: Convert simple fractions, decimals and percentages
7ma3	HEW, HOA	Mon: Compare and order directed numbers Wed: Calculations that cross zero Fri: Understand percentages
7ma4	ABB, SSP	Mon: Lines of best fit Wed: Time series graphs Fri: Non-linear relationships
7ma5	ALB, ALN	Mon: Use a calculator with directed numbers Wed: Revision Thurs: Scatter graphs Fri: Revision
7ma6	HEW	Mon: Equivalent fractions Wed: Compare and order fractions Thurs: Fractions as divisions Fri: Convert fractions decimals and percentages
7ma7	DAM	Mon: Composite Bar Charts Wed: Consolidation Thurs: Coordinates Fri: Area of compound shapes
7ma8	IKR	Mon: Number lines with fractions Wed: Tenths, hundredths, fifths and quarters Thurs: Eighths and thousandths Fri: Use percentages
7N	SLL	Mon: Co-ordinates in 1 <sup>st</sup> quadrant Wed: Read and interpret tables and scatter graphs Fri: Plot scatter graphs

## Year 8

**Head of Department:** ALN

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

This term pupils will cover the following areas: Area, Volume and Density, Equations and Inequalities, Percentages, Indices, Standard Form, Interpret and Represent Data

Homework set every Wednesday 8am on [Sparx Maths - Home](#) and is due in the following Wednesday by 8pm

All resources are available on TEAMS.

<b>Class</b>	<b>Teacher</b>	<b>Lessons, including homework deadlines &amp; resources</b>
8Ma1	SSP	Tues: Solving equations with unknown on both sides Wed: Powers of Powers Thurs: Negative Indices Fri: Revision - Indices
8Ma2	HOA	Tues: Consolidation Wed: Area of 2-D Shapes Thurs: Area of a Compound Shape Fri: Recognise Prisms
8Ma3	ALB, HEW	Tues: Positive and negative powers of 10 Wed: Area of a compound shape Thurs: Recognise prisms Fri: Volume of cubes and cuboids
8Ma4	SLL	Tues: Area of a compound shape Wed: Recognise prisms Thurs: Volume of cubes and cuboids Fri: Volume of cubes and cuboids
8Ma5	ABB	Tues: Form and solve equations Wed: Solve equations with unknowns on both sides Thurs: Understand and use inequalities Fri: Inequalities on a number line
8Ma6	RAR	Tues: Solving equations with unknown on both sides Wed: solve fractional equation Thurs: Form and solve equations Fri: solve equations with unknown on both sides
8Ma7	IKR	Tues: Solve complex equations Wed: Solve fractional equations Thurs: Form and solve equations Fri: Solve equations with unknown on both sides
8Ma8	ALB, SSP	Tues: Solve fractional equations Wed: Form and solve equations Thurs: Solve equations with unknowns on both sides Fri: Solving equations – mixed practice

**Head of Department:** ALN

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

This term pupils will cover the following areas: Maths and Money, Straight line graphs, Ratio and Proportion, Constructions and Congruence, Similarity, Algebraic Manipulation

Homework set every Wednesday 8am on [Sparx Maths - Home](#) and is due in the following Wednesday by 8pm

All resources are available on TEAMS.

<b>Class</b>	<b>Teacher</b>	<b>Lessons, including deadlines &amp; resources</b>
9Ma1	HEW	Mon: Direct proportion Thurs: Direct proportion and conversion graphs Fri: Finding the equation of a line from a graph
9Ma2	SSP, ALB	Mon: Draw and Measure angles Thurs: Accurately draw triangles using ASA and SAS Fri: percentage review
9Ma3	VKS, RAR, DAM	Mon: Ratio Thurs: Plotting straight line graphs Fri: Independent practice and unit test
9Ma4	SLL	Mon: Four operations Thurs: Four operations Fri : Borrowing
9Ma5	HOA	Mon: Rearrange equations to the form $y$ equals $mx$ plus $c$ Wed: Consolidation Thurs: Finding the equation of a line from a graph
9Ma6	ABB	Mon: End of block assessment Wed: Rates of change and their units Thurs: End of block assessment Feedback
9Ma7	ALB, RAR	Mon: Ways to save Wed: Jobs and pay Thurs: Investing
9Ma8	MFR	Mon: Lines of the form $x$ add $y$ equals $a$ , $y$ minus $x$ equals $a$ and $x$ minus $y$ equals $a$ Wed: End of Unit Review Thurs: End of Unit Assessment

## Year 10

**Head of Department:** ALN

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

Foundation: Pupils will be the following area this term

Fractions and percentages, Equations, inequalities and sequences, Angles, Probability, Multiplicative reasoning

Higher: Angles and trigonometry, Graphs, Equations and inequalities, Probability

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: Graphs of quadratic functions Tues: Solving quadratic equations graphically Thurs: Graphs of cubic functions
10Ma2	DAM	Mon: Understand frequency density. Tues: Draw histograms. Thurs: Interpret histograms.
10Ma3	HOA, ABB	Mon: Reflections Tues: Consolidation Thurs: Enlargements
10Ma4	ALB	Mon: Unit test Tues: 3D shapes Thurs: Plans & Elevations
10Ma5	ALN, MFR	Tues: Algebraic fractions –multiplication and division. Wed: Algebraic fractions- additions. Thurs: Quadratic Inequalities Fri: Expanding Triple Brackets
10Ma6	SSP	Tues: Sine Rule Wed: Cosine Rule Thurs: Area of a triangle Fri: Area and Perimeter of a segment
10Ma7	HOA	Tues: Describing Transformations Wed: Reflection Thurs: Enlargement Fri: Enlargement Fractional
10Ma8	ABB	Tues: End of Unit Test Wed: EOT Feedback Thurs: Properties of shapes Fri: Basic angle facts

## Year 11

**Head of Department:** ALN

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

Foundation: Preparation for Phase 2 PPEs and Public Examinations. PLC Topics identified as areas of focus

Higher: Preparation for Phase 2 PPEs and 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: Interleaving topics Tues: Middle 10 exam feedback, Grouping topics -revision Wed: Transformation – Trig graphs Thurs: Group topics- Trig and pythag, sine and cosine rule
11Ma2	DAM	Mon: Identify Equation From Sketch (Cubic or Reciprocal) Tues: Securing Grade - Interleaved topics covering key exam topics Wed: Transform Trigonometric Graph $y = -f(x)$ Thurs: FDP (fractions, decimals, percentages) drills + compound interest
11Ma3	MFR	Mon: Generate and Solve Equations Tues: Solving Inequalities Wed: Reverse Percentages Thurs: Percentage Profit
11Ma4	RAR	Mon: word problem involving percentage Tues: scale problem and scale drawing Wed: word problems related to money Thurs: word problems density
11Ma5	DAM MFR	Mon: Identify Equation from Sketch (Cubic or Reciprocal) Tues: Securing Grade - Interleaved topics covering key exam topics Fri: Grade 9 Topics
11Ma6	HEW	Mon: Interleaved topics Tues: Compound solid problems Fri: Multistep problems
11Ma7	IKR	Mon: Substitution into expressions and formulae Tues: Linear graphs and tables Fri: Frequency polygons
11Ma8	SSP	Mon: Volume of prisms Tues: Scale Drawings Fri: Reverse Percentages

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

**Head of Department:** ALN

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

**Year 12**

- Pure Maths: Binomial Expansion, Trigonometric Ratios, Trigonometric Identities, Vectors
- Statistics and Mechanics: Statistical Distributions, Hypothesis Testing, Modelling in Mechanics

**Year 13** – Preparation for Phase 2 PPEs and 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): Trigonometry Thurs (MFR): Trigonometry Fri (KWC): Hypothesis testing – critical regions
<b>12C</b>	IKR, MEK, MFR	Mon (KWC): Constant acceleration equations Tues (IKR): End of unit assessment Wed (IKR): Feedback lesson Fri (KWC): Vertical motion under gravity
<b>13A</b>	MEK, RVKS, MEK	Mon (KWC): Moments Wed (VKS): Numerical solutions – Newton Raphson method Thurs (KWC): Equilibrium problems
<b>13C</b>	MFR, VKS	Mon (KWC): Consolidation Tues (MFR): Differential Equations Summary Thurs (VKS): Raphson – Newton method Thurs (KWC): Moments Fri (MFR): End of Unit Assessment Fri (KWC): Equilibrium problems
<b>RM1</b>	ALN, KWC, HEW	Mon (KWC): Exam practice Tue (HEW): Exam practice Wed (KWC): Exam practice
<b>RM 2</b>	SSP	Mon (IKR): Exam Practice Tue (SSP): Exam Practice Wed (SSP): Exam Practice