Dear Parents and Carers,

A reminder that school will be closed to all students on **Thursday 12th and Friday 13th November** as staff will be undertaking dedicated data analysis and curriculum planning days. These days provide an important opportunity for teachers to review students' progress, refine curriculum plans, and ensure that teaching remains closely aligned to the needs of all learners.

We appreciate your support and look forward to welcoming students back on Monday 16th November.

Home Learning

While learning from home, your child is expected to:

1. Use the links provided by their teachers

At the bottom of this document, students will have links to access:

- High-quality lesson content
- Formative assessments (e.g., short quizzes, exit tickets)

These resources mirror what they would complete in school and will prepare them for the next lesson in the sequence when they return.

2. Complete all tasks independently and to a high standard

Your child should:

- Work through each activity carefully
- Complete tasks in the order set
- Submit any required work on time

Teachers will assume that online learning has been completed and will continue with the next part of the curriculum when students are back in school.

Supporting your child at home

To help your child succeed during this period, we recommend:

- Providing a quiet space where they can focus
- Encouraging them to follow their usual school routine
- Checking they have completed the tasks at the end of the day

Thank you for your support in helping us maintain high standards for every child. We appreciate your partnership in ensuring learning continues smoothly while this takes place.

If you have any questions, please contact the academy.

12.11.26 – Student Work

Subject	Year 7	Year 8	Year 9	Year 10	Year 11
English	Responding to an unseen extract from Burnett's 'The Secret Garden' | Oak National Academy	Exploring William Carlos Williams's poem 'The Hunters in the Snow' | Oak National Academy	Planning a written analysis of 'Frankenstein' | Oak National Academy	Writing analytically about Priestley's presentation of the older generation | Oak National Academy	'Macbeth': exploring Macbeth as the tragic hero | Oak National Academy
Maths	Like terms KS3 | Y7 Maths | Lesson Resources | Oak National Academy	Changing a data point KS3 | Y8 Maths | Lesson Resources | Oak National Academy	Constructing scatter graphs by utilising technology KS3 | Y8 Maths | Lesson Resources | Oak National Academy	Checking understanding of summary statistics from a frequency table GCSE | KS4 | Y10 Maths Foundation | Lesson Resources | Oak National Academy	Checking and securing understanding of nets of solids GCSE | KS4 | Y11 Maths Foundation | Lesson Resources | Oak National Academy
Science	Separation-techniques	Science, secondary, Year 8 - Lesson listing | Oak National Academy	Atomic-structure-and-the-periodic-table	Electrolysis	Inheritance-genotype-and-phenotype

13.11.26 – Student Work

Subject	Year 7	Year 8	Year 9	Year 10	Year 11
English	Using precise evidence from Burnett's 'The Secret Garden' to support an idea | Oak National Academy	Exploring Walter de la Mare's poem 'Brueghel's Winter' | Oak National Academy	A written analysis of 'Frankenstein' | Oak National Academy	Using context effectively in writing about 'An Inspector Calls' | Oak National Academy	'Macbeth': the witches' prophecies in Act 1, Scene 3 | Oak National Academy
Maths	Simplifying by collecting like terms KS3 | Y7 Maths | Lesson Resources | Oak National Academy	Evaluating the range KS3 | Y8 Maths | Lesson Resources | Oak National Academy	Interpreting scatter graphs KS3 | Y8 Maths | Lesson Resources | Oak National Academy	Calculating summary statistics from a grouped frequency table GCSE | KS4 | Y10 Maths Foundation | Lesson Resources | Oak National Academy	Checking and securing understanding of volume of prisms GCSE | KS4 | Y11 Maths Foundation | Lesson Resources | Oak National Academy
Science	Cells	Science, secondary, Year 8 - Lesson listing | Oak National Academy	Atomic-structure-and-the-periodic-table	Electric-fields-and-circuit-calculations	Rate-of-reaction

Year 7 Sparx Topics and Codes

Year 7 Topic	Sparx Topic	Code
Prime numbers	Finding prime numbers	M322
Square numbers	Special sequences	M981
Types of shape	Shape properties	M276
Angles in polygons	Angles in polygons	M653
Angles on a straight line	Angles on a line and about a point	M818
Sequences	Position-to-term rules for arithmetic sequences	M991
Substitution	Substituting into expressions with multiple operations	M327
Solve linear equations	Solving equations of the form ax+b=c	M634
Percentages of an amount	Finding percentages of amounts without a calculator	M437
Lowest Common Multiples	Finding the lowest common multiple (LCM)	M227

Year 8 Curriculum to Sparx KS3 Codes

Curriculum Content	Sparx Topic	Code
Probability NOT and listing outcomes/frequency trees	Probabilities of mutually exclusive events	M755
Probability NOT and listing outcomes/frequency trees	Systematic listing	M817
Probability NOT and listing outcomes/frequency trees	Sample space diagrams	M718
Probability NOT and listing outcomes/frequency trees	Calculating experimental probabilities	M332
Calculating MMMR	Calculating the mean	M940
Calculating MMMR	Calculating the median	M934
Calculating MMMR	Finding the mode	M841
Calculating MMMR	Calculating the range	M328
Simple statistical diagrams	Drawing bar charts	M460
Simple statistical diagrams	Interpreting bar charts	M738
Simple statistical diagrams	Drawing line graphs	M140
Simple statistical diagrams	Interpreting line graphs	M183
Pie charts	Drawing pie charts	M574
Pie charts	Interpreting pie charts	M165
Index laws	Index rules with positive indices	M608
Calculating with powers and roots	Calculating with roots and powers	M135
Including Pythagoras	Using Pythagoras theorem in 2D	M677
Including Pythagoras	Applying Pythagoras theorem in 2D	M480
Standard form	Using standard form with positive indices	M719
Standard form	Using standard form with negative indices	M678
Prime factorisation, HCF and LCM	Prime factor decomposition	M108
Prime factorisation, HCF and LCM	Finding HCF and LCM using prime factor decomposition	M365
Sets and Venn diagrams	Venn diagrams	M829
Sets and Venn diagrams	Probabilities from Venn diagrams	M419
Sets and Venn diagrams	Venn diagrams with set notation	M834
Inequalities	Reading and drawing inequalities on number lines	M384
Inequalities	Solving single inequalities	M118

Year 9 Sparx Topics and Codes

Our Topic	Sparx Maths Topic	Sparx Maths Code
Solids properties, nets, plans, elevations	Properties of 3D shapes / Nets of 3D shapes / Plans and elevations	M767 / M518 / M229
Surface area	Finding the surface area of prisms	M661
Volume of prisms	Finding the volume of prisms	M722
Volume of cylinders, cones and pyramids	Finding the volume of cylinders	M697
Volume of cylinders, cones and pyramids (Frustums)	Finding the volume of frustums	U350
Collecting and organising data	Collecting and recording data using tables	M945
Interpret and compare statistical representations	Interpreting scatter graphs	M596
MMMR from a frequency table	Finding averages from frequency tables	M127
MMMR from a frequency table (Class intervals)	Finding averages from grouped data	M287
Frequency diagrams	Interpreting frequency tables and two-way tables / Drawing and interpreting frequency polygons	M899 / U840
Identifying errors and misconceptions in statistical diagrams	Choosing suitable averages and solving problems / Presenting data and making conclusions	M440 / M450

Year 10 Maths Sparx Codes

Our Topic	Sparx Maths Topic	Sparx Maths Code
Pythagoras theorem inc. 3D	Using Pythagoras theorem in 2D / Using Pythagoras theorem in 3D	M677 / M147
Trigonometry	Understanding sin, cos and tan	M380
Trigonometry (inc. graphs)	Finding unknown sides in right-angled triangles / Finding unknown angles in right-angled triangles	M212 / M646
Reflection, translation and rotation	Reflection / Translation / Rotation	M290 / M139 / M910
Enlargement, including negative and fractional scale factors	Enlargement	M178
Mixed transformations	Mixed transformations	M881
Experimental probability and probability of combined events	Calculating experimental probabilities / Probabilities of mutually exclusive events	M332 / M755
MMMR from a frequency table	Finding averages from frequency tables	M127
Cumulative frequency and box plots	Drawing cumulative frequency graphs / Interpreting cumulative frequency graphs / Drawing box plots / Interpreting box plots	U182 / U642 / U879 / U837
Compound measures	Calculating with speed / Calculating with rates / Calculating with density	U151 / U256 / U910

Year 11 Maths Topics and Sparx Codes

Our Topic	Sparx Maths Topic	Sparx Maths Code
Algebraic Fractions	Simplifying algebraic fractions by cancelling common factors / Adding and subtracting algebraic fractions	U103 / U685
Solving quadratic equations	Factorising to solve quadratic equations / Solving quadratic equations using the quadratic formula	U228 / U665
Quadratic graphs	Plotting graphs of quadratic functions / Interpreting graphs of quadratic functions	U989 / U667
Non-Linear Simultaneous Equations	Solving simultaneous equations involving quadratics / Solving simultaneous equations involving quadratics graphically	U547 / U875
Functions	Finding composite functions / Finding inverse functions	U448 / U996
Trigonometry including SOHCAHTOA, 3D, sine rule, cosine rule and area rule	Finding unknown sides in right-angled triangles / Trigonometry in 3D shapes / The sine rule / The cosine rule / The area rule	U283 / U170 / U952 / U591 / U592
Loci	Constructing loci	U820
Bearings (including with trigonometry)	Calculating bearings / Calculating with trigonometry and bearings	U107 / U164