

FOUNDATION SOW (YEARS 7-10)

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Terms and Hours	Autumn 1 (30)	Autumn 2 (28)	Spring 1 (23)	Spring 2 (20)	Summer 1 (23)	Summer 2 (28)
Hours allocated	27	27	23	18	23	26
Year 7	Baseline Test (3). Unit 6 Probability (10) 6.1 The language of probability 6.2 Calculating probability 6.3 More probability calculations 6.4 Experimental probability 6.5 Expected outcomes 6 Revision End of Unit Test Unit 2 Number skills (9); 2.1 Mental maths 2.2 Addition and subtraction 2.3 Multiplication 2.4 Division 2.5 Money and time 2.6 Negative numbers 2.7 Factors, multiples and primes 2.8 Square numbers 2 Revision End of Unit Test Project 1 Introduction (1) Revision, Assessment and Feedback (4)	Unit 5 Fractions and percentages (13); 5.1 Comparing fractions 5.2 Simplifying fractions 5.3 Working with fractions 5.4 Fractions and decimals 5.5 Understanding percentages 5.6 Percentages of amounts 5 Revision End of Unit Test Unit 7 Ratio and proportion (10); 7.1 Direct proportion 7.2 Writing ratios 7.3 Using ratios 7.4 Ratios, proportions and fractions 7.5 Proportions and percentages Revision End of Unit Test Project 1 Presentations (2) (1) Liturgy (1)	Unit 4 Decimals and Measures (16); 4.1 Decimals and rounding 4.2 Length, mass and capacity 4.3 Scales and measures 4.4 Working with decimals mentally 4.5 Working with decimals 4.6 Perimeter 4.7 Area 4.8 More units of measure 4 Revision End of Unit Test Project 2 Presentation (1) PSHE (1) Revision, Assessment and Feedback (4)	Unit 8 Lines and Angles (11); 8.1 Measuring and drawing angles 8.2 Lines, angles and triangles 8.3 Drawing triangles accurately 8.4 Calculating angles 8.5 Angles in a triangle 8.6 Quadrilaterals 8 Revision End of Unit Test Unit 3 Expressions, functions and formulae (5); 3.1 Functions 3.2 Simplifying expressions 1 3.3 Simplifying expressions 2 Project 2 Presentation (2)	Unit 3 Expressions, functions and formulae (7); 3.4 Writing expressions 3.5 Substituting into formulae 3.6 Writing formulae 3 Revision End of Unit Test Unit 9 Sequences and Graphs (14); 9.1 Sequences 9.2 Pattern sequences 9.3 Coordinates and midpoints 9.4 Extending sequences 9.5 Straight-line graphs 9.6 Position-to-term rules 9 Revision End of Unit Test Numeracy Day -Project 3 Presentation (1)	Unit 10 Transformations (14); 10.1 Congruency and enlargements 10.2 Symmetry 10.3 Reflection 10.4 Rotation 10.5Translations and combined transformation 10 Revision End of Unit Test Project 3 Presentation (2); Revision, Assessment and Feedback - End of Year Test (8) PSHE (1) Sports Day (1)
Year 8	27	27	23	18	23	26
Year 8	Unit 1 Number (15); 1.1 Calculations 1.2 Divisibility and division 1.3 Calculating with negative numbers 1.4 Powers and roots 1.5 Powers, roots and brackets 1.6 More powers, multiples and roots 1 Revision End of Unit Test Unit 8 Calculating with fractions (5); 8.1 Ordering fractions 8.2 Adding and subtracting fractions 8.3 Multiplying fractions 8.4 Dividing fractions 8.5 Calculating with mixed numbers 8 Revision Assessment Project 1 Introduction (1) Revision, Assessment and Feedback (4) PSHE (1)	Unit 8 Calculating with fractions (5); 8.4 Dividing fractions 8.5 Calculating with mixed numbers 8 Revision End of Unit Test Unit 10: Percentages, Decimals and Fractions (10); 10.1 Fractions and decimals 10.2 Equivalent proportions 10.3 Writing percentages 10.4 Percentages of amounts 10 Revision End of Unit Test Unit 6: Decimals and Ratio (10): 6.1 Ordering decimals and rounding 6.2 Place-value calculations 6.3 Calculations with decimals 6.4 Ratio and proportion with decimals 6 Revision Assessment Project 1 Presentation (1) Liturgy (1)	Unit 4: Expression and Equations (15); 4.1 Algebraic powers 4.2 Expressions and brackets 4.3 Factorising expressions 4.4 One-step equations 4.5 Two-step equations 4.6 The balancing method 4 Revision End of Unit Test Unit 3: Statistics, Graphs and Charts (2); 3.1 Pie charts Project 2 Introduction (1) PSHE (1) Revision, Assessment and Feedback (4)	Unit 3: Statistics, Graphs and Charts (11); 3.2 Using tables 3.3 Stem and leaf diagrams 3.4 Comparing data 3.5 Scatter graphs 3.6 Misleading graphs 3 Revision End of Unit Test Unit 2: Area and Volume (5); 2.1 Area of a triangle 2.2 Area of a parallelogram and trapezium 2.3 Volumes of cubes and cuboids Project 2 Presentations (2)	Unit 2: Area and Volume (9); 2.4 2D representations of 3D solids 2.5 Surface area of cubes and cuboids 2.6 Measures 2 Revision End of Unit Test Unit 7: Lines and Angles (12); 7.1 Quadrilaterals 7.2 Alternate angles and proof 7.3 Angles in parallel lines 7.4 Exterior and interior angles 7.5 Solving geometric problems 7 Revision End of Unit Test Numeracy Day - Project 3 Introduction (1) PSHE (1)	Unit 9: Straight line and Graphs (8); 9.1 Direct proportion on graphs 9.2 Gradients 9.3 Equations of straight lines 9 Revision End of Unit Test BOOK 3 (6) 1.3 More Indices 1.4 Standard form 2.5 Index laws and brackets 2.6 Expanding Double brackets Project 3 Presentation(2); Revision, Assessment and Feedback - End of Year Test (8) PSHE (1) Sports Day (1)
Year 9	27	27	23	18	23	26
Year 9	Unit 1 Number (20); 1.1Calculations 1.2Decimal numbers 1.3Place value 1.4Factors and multiples 1.5Squares, cubes and roots 1.6Index notation 1.7Prime factors 1.8Revision 1.9End of Unit Test Unit 2 Algebra (5); 2.1 Algebraic expressions 2.2 Simplifying expressions Project 1 Introduction (1) PSHE (1)	Unit 2 Algebra (15); 2.3 Substitution 2.4 Formulae 2.5 Expanding brackets 2.6 Factorising 2.7 Using expressions and formulae 2.8 Revision 2.9 End of Unit Test Unit 3 Graphs, tables and charts (5); 3.1 Frequency tables 3.2 Two – way tables 3.3 Representing data Project 1 Presentation (2) Revision, Assessment and Feedback (4) Liturgy (1)	Unit 3 Graphs, tables and charts (12); 3.4 Time series 3.5 Stem and leaf diagrams 3.6 Pie charts 3.7 Scatter graphs 3.8 Line of best fit 3.9 Revision 3.10 End of Unit Test Unit 4 Fractions and Percentages (9); 4.1 Working with fractions 4.2 Operations with fractions 4.3 Multiplying fractions 4.4 Diving fractions 4.5 Fractions and decimals Project 2 Introduction (1) PSHE (1)	Unit 4 Fractions and Percentages (9); 4.6 Fractions and percentages 4.7 Calculating percentages 1 4.8 Calculating percentages 2 4.9 Revision 4.10 End of Unit Test Project 2 Presentations (2) Revision, Assessment and Feedback (6) PSHE (1)	Unit 6 Angles (16); 6.1 Properties of shapes 6.2 Angles is parallel lines 6.3 Angles in triangles 6.4 Exterior and interior angles 6.5 More exterior and interior angles 6.6 Geometrical problems 6.7 Revision 6.8 End of Unit Test Unit 12 Right-angled triangle (6); 12.1 Pythagoras' theorem 1 12.2 Pythagoras' theorem 2 12.3 Trigonometry: the sine ratio 1 12.4 Trigonometry: the sine ratio 2 Numeracy Day - Project 3 Introduction (1)	Unit 12 Right-angled triangle (14); 12.5 Trigonometry: the cosine ratio 12.6 Trigonometry: the tangent ratio 12.7 Finding lengths and angles using trigonometry 12.8 Revision 12.9 End of Unit Test Project 3 Presentation(2); Revision, Assessment and Feedback - End of Year Test (8) PSHE (1) Sports Day (1)
Year 10	27	27	23	18	23	26
Year 10	Unit 9: Graphs (16) 9.1 Coordinates 9.2 Linear graphs 9.3 Gradient 9.4 y=mx+c 9.5 Real-life graphs 9.6 Distance-time graphs 9.7 More real-life graphs 9.8 Revision 9.9 End of Unit Test Unit 14 Multiplicative reasoning (4); 14.1 Percentages 14.2 Growth and decay In Class Mocks and Feedback (6) PSHE (1)	Unit 14 Multiplicative reasoning (10); 14.3 Compound measures 14.4 Distance, speed and time 14.5 Direct and inverse proportion 14.6 Revision 14.7 End of Unit Test Unit 10 Transformations (16); 10.1 Translation 10.2 Reflection 10.3 Rotation 10.4 Enlargement 10.5 Describing enlargements 10.6 Combining transformations 10.7 Revision 10.8 End of Unit Test Liturgy (1)	Unit 15 Constructions, loci and bearings (16) 15.1 3D solids 15.2 Plan and elevations 15.3 Accurate drawings 1 15.4 Scale drawings and maps 15.5 Accurate drawings 2 15.6 Constructions 15.7 Loci and regions 15.8 Bearings 15.9 Revision 15.10 End of Unit Test Revision, In Class Mocks and Feedback (6) PSHE (1)	Unit 5 Equations, inequalities and sequences (18) 5.1 Solving equations 1 5.2 Solving equations 2 5.3 Solving equations with brackets 5.4 Introducing inequalities 5.5 More inequalities 5.6 Using formulae 5.7 Generating sequences 5.8 Using the nth term of a sequence 5.9 Revision 5.10 End of Unit Test	Unit 16 Quadratic equations and graphs (12) 16.1 Expanding double brackets 16.2 Plotting quadratic graphs 16.3 Using quadratic graphs 16.4 Factorising quadratic expressions PSHE (1) Revision, Mocks and Feedback (10)	Unit 16 Quadratic equations and graphs (7) 16.5 Solving quadratic equations algebraically 16.6 Revision 16.7 End of Unit Test Unit 19 Congruence, similarity and vectors (17); 19.1 Similarity and enlargement 19.2 More similarity 19.3 using similarity19.4 Congruence 1 19.5 Congruence 2 19.6 Vectors 1 19.7 Vectors 2 19.8 Revision 19.9 End of Unit Test PSHE (1) Sports Day (1)