

Year 10 Foundation SOW 2019-20

SEPTEMBER		OCTOBER			NOVEMBER		DECEMBER								
Weeks 2 - 5 Unit 8 Perimeter, Area & Volume 1 Perimeter & area of 2D shapes, area of compound shapes, surface area of 3D prisms, volume of 3D solids use standard units for mass, length, area, volume and density, change between related standard units.		Weeks 6-8 Unit 9 Graphs Co-ordinates in all 4 quadrants, $y=mc+c$, gradients and intercepts of linear functions, draw graphs of linear functions, find the midpoint of line segments, recognise when graphs are parallel graphs draw and interpret real life graphs, inc. conversion graphs and distance – time graphs.		Half Term Holiday	Weeks 10 – 12 Unit 10 Transformations Identify, describe and draw translations, reflections, rotations and enlargements (inc. fractional scale factors $\frac{1}{2}$), combine transformations.		Weeks 13 - 14 Revision Lessons and Mid Term Exam		Week 15- 16 Unit 11 Ratio & Proportion Convert between fractions & ratio, simplify ratio in all units, share an amount into given ratios, compare ratios, sole proportion problems.						
DECEMBER		JANUARY			FEBRUARY		MARCH								
Christmas Holiday		Week 19 Unit 11 Ratio & Proportion Direct and inverse proportion (inc. graphs).		Weeks 20 - 23 Unit 12 Right- Angled Triangles Pythagoras theorem, use geometrical diagrams to help solve problems, know key values for cos, sin, tan, use trigonometry to find missing sides in right angled triangles.		Week 24 Unit 13 Probability Systematic listing, simple probability from equally likely events.		Half Term Holiday		Weeks 26-27 Unit 13 Probability Two way tables, sample space diagrams, frequency trees, venn diagrams, dependant and independent events.					
MARCH		APRIL			MAY		JUNE								
Week 28-31 Unit 14 Multiplicative Reasoning Find percentages of amounts, percentage change, percentage increase & decrease, reverse percentage, simple & compound interest, compound measures, DST, direct & inverse proportion.		Easter Holiday		Week 34-37 Unit 15 Constructions, Loci & Bearings Plans & elevations, draw accurate constructions such as: perpendicular bisector & angular bisector, draw SAS, ASA, RHS & SSS triangles, solve problems using loci, , scale drawings, three figure bearings.		Weeks 38 Revision for End of Year Mock Exams		Half Term Holiday		Weeks 40-41 Revision for End of Year Mock Exams		Week 42 End of Year Exam		Weeks 43-44 Unit 16 Quadratic Equations & Graphs Multiply out double brackets, factorise quadratics, inc. the difference of 2 squares.	
1.5 Weeks Catch up time, Activity Week, Trips.															