Mathematics Year 11 Long term plan 2020/2021

Autumn Term 1st Half		Autumn Term 2nd Half	
Unit 9: Graphs 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	Unit10: Transformations 10.1 Translation 10.2 Reflection 10.3 Rotation 10.4 Enlargement 10.5 Describing enlargements 10.6 Combining transformations	Unit 11: Ratio and Proportion 11.1 Writing ratios 11.2 Using ratios 11.3 Ratios and measures 11.4 Using ratios 2 11.5 Comparing using ratios 11.6 Using proportion 11.7 proportion and graphs 11.8 proportion problems	Unit 12: Right-angled triangles 12.1 & 12.2 Pythagoras' theorem 12.3 & 12.4 The sine ratio 12.5 The cosine ratio 12.6 The tangent ratio 12.7 Finding lengths and angles using trigonometry
Spring Term 1st Half		**Spring Term 2nd Half**	
Unit 13: Probability 13.1 Calculating probability 13.2 Two events 13.3 Experimental probability 13.4 Venn diagrams 13.5 & 13.6 Tree diagrams	Unit 14: Multiplicative reasoning 14.1 percentages 14.2 Growth and decay 14.3 Compound measures 14.4 Distance, speed and time 14.5 Direct and inverse proportion	Unit 15: Constructions, loci and bearings 15.1 3D solids 15.2 Plans 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	Unit 17: Perimeter, Area and Volume 2 17.1 & 17.2 Circumference of a circle 17.3 Area of a circle 17.4 Semicircles and sectors 17.5 Composite 2D shapes and cylinders 17.6 Pyramids and cones 17.7 Spheres and composite solids

Summer Term 1st Half	Summer Term 2nd Half
Unit 18: Fractions, indices and standard form 18.1 Multiplying and dividing fractions 18.2 The laws of indices 18.3 Writing large numbers in standard form 18.4 Writing small numbers in standard form 18.5 Calculating with standard form	Final revision: doing past papers and consolidating knowledge base

Subject to COVID-19 restrictions and guidelines