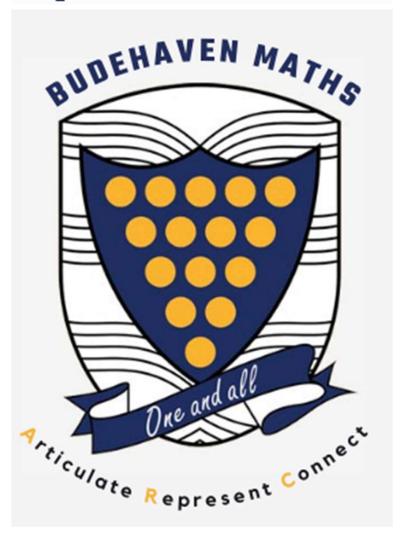


Sparx Maths





	Unit 5: Angles and Bearings			
Weeks 1 & 2	<u>Learning Objectives:</u>			
		Drawing and interpreting scale diagrams (U257)		
		Measuring and drawing bearings (U525)		
		Calculating bearings (U107)		
		Calculating with trigonometry and bearings (U164)		
	Unit 6: W	Orking with circles		
	Learning Objectives:			
		Identifying parts of circles (U767)		
		Finding the circumference of circles (U604)		
Weeks 3 & 4		Finding the area of circles (U950)		
		Finding the arc length of sectors (U221)		
		Finding the area of sectors (U373)		
		Angles subtended at the centre or circumference of a circle (U459)		
		Angles in segments and cyclic quadrilaterals (U251)		
		Finding the volume of cylinders (U915)		
		Finding the volume of cones (U116)		
		Finding the volume of spheres (U617)		
		Finding the surface area and volume of similar shapes (U110)		
		Finding the surface area of cylinders (U464)		
		Finding the surface area of cones (U523)		
		Finding the surface area of spheres (U893)		
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	Unit 7: Vectors			
Veeks 5 & 6	Learning Objectives:			
		Understanding column vectors (U632) Adding and subtracting column vectors (U903)		
		Multiplying column vectors by a scalar (U564)		
>		ividitiplying column vectors by a scalar (0304)		

☐ Solving geometric problems using vectors (U781)

Identifying parallel vectors (U660)



Weeks 1 & 2	Unit 8: Ratios & fractions			
	Learning Objectives:			
		Writing and simplifying ratios (U687)		
		Using equivalent ratios to find unknown amounts (U753)		
		Converting between ratios, fractions and percentages (U176)		
		Sharing amounts in a given ratio (U577)		
		Problem solving: Sharing amounts in a given ratio (Higher) (U595)		
		Combining ratios (U921)		
		Calculating with ratios and algebra (U676)		
		Changing ratios (U865)		
	Unit 9: Percentages & Interest			
	<u>Learning Objectives:</u>			
Weeks 3 & 4		Finding percentages of amounts without a calculator (U554)		
		Finding percentages of amounts with a calculator (U349)		
		Percentage change without a calculator (U773)		
		Percentage change with a calculator (U671)		
		Finding original values in percentage calculations (U286)		
		Finding the percentage an amount has been changed by (U278)		
		Simple interest calculations (U533)		
		Compound interest calculations (U332)		
		Growth and decay (U988)		
		Substituting into iterative formulae (U434)		

☐ Finding approximate solutions to equations using iteration (U168)



	Unit 10: Probability		
Week 5 & 6	<u>Learning Objectives:</u>		
		Venn diagrams (U476)	
		Venn diagrams with set notation (U748)	
		Using set notation (U296)	
		Frequency trees (U280)	
		Tree diagrams for independent events (U558)	
		Tree diagrams for dependent events (U729)	
		Calculating experimental probabilities (U580)	
		Conditional probabilities from tables (U246)	
		Conditional probabilities from Venn diagrams (U699)	
		Using the conditional probability formula (U821)	
		Conditional probabilities from tree diagrams (U806)	