ASHTON COMMUNITY SCIENCE COLLEGE: MATHS CURRICULUM



Year 9						
	Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6
Knowledge	Topic: ■ Pythagoras/Trigonometry ■ Equations	Topic: ■ Volume and Surface Area ■ Circles	Topic: ■ Averages ■ Sequences	Topic: Measuring and Constructing Angle Rules	Topic: ■ Transformations	Topic: ■ Compound Units ■ Congruency and Similarity
Skills/ application of knowledge	 Substitution Pythagoras' Theorem Trigonometry Linear equations Complex linear equations Simultaneous equations Rearranging equations 	 Find the volume of prisms Volume of non-prisms Surface area of a 3D shape Finding dimensions Scale factors Parts of a circle Circumference Area 	 Averages Stem and leaf diagrams Frequency diagrams Missing terms Generating sequences nth Term 	 Measuring and draw angles Constructing triangles Constructions Loci Apply angle facts Angles in polygons Angles in parallel lines 	 Reflection Rotation Translation Enlargements 	 Distance, speed and time Mass, density and volume Force, pressure and area Congruency Similarity
Links to prior learning	2D Shapes 3D Shapes Algebra Plotting Graphs Substitution	2D Shapes 3D Shapes	Probability Statistics Algebra Plotting Graphs Substitution Equations	2D Shapes Measuring and Constructing	2D Shapes	Calculations Substitution 2D Shapes 3D Shapes Volume and Surface Area
assessment	Check-ins Check-outs	Check-ins Check-outs	Check-ins Check-outs	Check-ins Check-outs	Check-ins Check-outs	Check-ins Check-outs