ASHTON COMMUNITY SCIENCE COLLEGE: MATHS CURRICULUM

Year 7						
	Half term 1	**Half term 2**	**Half term 3**	**Half term 4**	**Half term 5**	**Half term 6**
Knowledge	Topic: ▪ Area and Perimeter ▪ Place Value	Topic: ▪ Negative Numbers ▪ Calculations	Topic: ▪ BIDMAS ▪ Estimation and Approximations	Topic: ▪ Substitution ▪ Fractions	Topic: ▪ Using Measures ▪ Using Scales	Topic: ▪ Time ▪ Using a Calculator
Skills/ application of knowledge	▪ Calculating perimeter ▪ Calculating area ▪ Compound shapes ▪ Ordering numbers ▪ Place Value ▪ Addition and Subtraction ▪ Powers of 10 including multiplying/dividing ▪ Standard form	▪ Ordering negatives ▪ Addition and subtraction of negatives ▪ Multiplication and division of negatives ▪ Addition/Subtraction ▪ Multiplication/Division ▪ Tests of divisibility ▪ Using a calculator	▪ Order of operations ▪ Solving problems using the order of operations ▪ Estimation ▪ Rounding (wholes. decimals and significant figures) ▪ Estimating calculations ▪ Upper and Lower Bounds	▪ Substitution ▪ Algebraic conventions ▪ Express quantities as fractions ▪ Find equivalent fractions ▪ Add and subtract fractions ▪ Multiply fractions (including fractions of an amount) ▪ Dividing fractions ▪ Converting between a fraction and decimal ▪ Ordering fractions	▪ Convert metric measures ▪ Using an appropriate metric unit of measure ▪ Imperial and metric conversions ▪ Read and compare scales ▪ Use scales to convert ▪ Understanding map scales ▪ Using scale diagrams	▪ Telling the time ▪ Using units of time ▪ Read and use timetables ▪ Distance-time graphs ▪ Perform arithemetic using a calculator ▪ Understand different functions of a calculator ▪ Using fractions and decimals on a calculator ▪ Investigate errors on a calculator
Links to prior learning	Fractions Decimals Percentages Properties of 2D Shapes FDP Conversions	Sequences All prior learning	Calculations Fractions Decimals Place Value	Algebra BIDMAS Fractions Area and Perimeter Ratio Percentages Decimals Place Value Substitution	Place Value (powers of 10) Decimals Fractions Calculations Estimations and Approximations	BIDMAS Estimations and Approximations
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