Tracking objectives Year 6 and Year 6 progression into year 7

	Year 6 consolidation of level 4 introducing aspects of level 5		Year 6 progression into Year 7 securing progression from level 4 into level 5	
Using and applying	Solve multi-step probs involving fractions decimals and percentages		Solve probs involving by breaking down complex probs into simpler steps	
	Tabulate systematically information, use symbols where appropriate		Use table, formula or equation to represent information	
	Suggest plan and develop lines of enquiry		Develop and evaluate lines of enquiry	
	Represent and interpret patterns and relationships, express as formulae in words then symbols		Generate sequences and describe the general term	
	Use words symbols or diagrams to explain reasoning		Explain and justify reasoning and conclusions	
Knowing and using number facts	**Derive x and ÷ facts involving decimals**			
	Know squares of numbers to 12 and for corresponding multiples of 10		Recognise square roots of perfect squares	
	Identify prime numbers less than 100, find prime factors		Recognise and use highest common factor and lowest common multiple	
	Use approximations. inverses and divisibility tests to check calculations		**Make and justify estimates and approximations**	
calculating	Calculate mentally with decimals		Use order of operations, brackets and laws. Extend mental methods to include fractions decimals and %	
	Use efficient written methods to +/-/x/÷ decimals		Use standard column methods to +/- decimals and x/÷ decimals	
	Relate fractions to ÷,.Express a quotient as a fraction or decimal			
	Find fractions and % of whole nos		Calculate % increase/decrease	
	Use calculator to multi-step probs		**Use bracket keys and memory of a calculator**	
Counting and understanding number	Find differences between negative and positive numbers			
	Partition round and order decimals with three places		Order fractions by converting to decimals	
	Use common denominators to order fractions, simplify fractions		Use fractions and % to describe proportions of a whole	
	Express a quantity as a % of another find equivalent fractions decimals and %			
	Solve probs involving direct proportion using scaling		**Use ratio notation and solve problems**	
Understanding shape	Use coordinates in 1st quadrant to draw & locate shapes		Use coordinates in all 4 quadrants	
	Visualise and draw on grids shapes after reflections, rotations and translations.		Identify all symmetries of 2D shapes, transform images using ICT	
	Visualise perpendicular and parallel edges and faces			
	Make and draw shapes		Construct a triangle given 2 sides and an angle	
	Measure and draw angles, calculate angles		**Know angles sums in a line and triangle**	
measuring	**Convert between units of measure using decimals to 2dp**		Convert between units of measure using decimals to 3dp	
	Compare readings on different scales		**Measure and calculate using imperial measures**	
	Calculate area & perimeter of rectilinear shapes		Calculate area of right angled triangles and volume and surface area of cuboids	
Handling data	Describe outcomes using language of chance/likelihood		**Understand and use probability scale 0 to 1**	
	Solve probs through data work, identify further questions		Explore hypotheses by planning and carrying out surveys, identify ways to extend surveys	
	Draw line graphs, interpret pie charts and draw and interpret graphs with grouped discrete data		Construct interpret and compare graphs	
	Use mode, range, median, and mean		Write a short report on a statistical enquiry – justify choices.	