

Penn Fields School – Maths

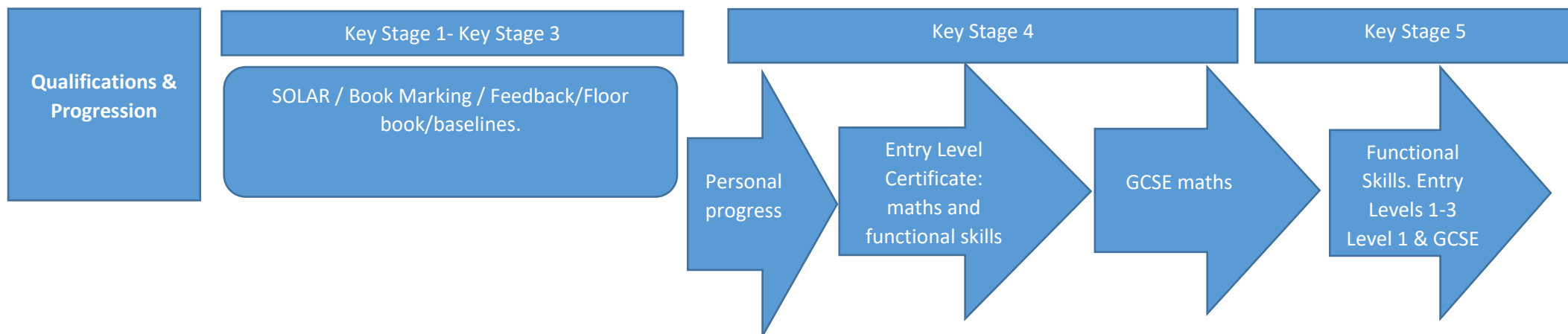
KS4 & KS5

KS4 and KS5 Maths timetabled lessons x 4 each week						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
E1 - 3	Number	Geometry	Number	Statistics	Number	Maths project
		Measure				
		Number	Measure	Testing	Geometry	Statistics
GCSE	Number	Algebra	Geometry	Algebra	Ratio and proportion	Ratio and proportion
			Statistics		Geometry	
	Algebra	Number	Measure	Geometry	Statistics	Measure

Developing Skills with SOLO taxonomy			
Initial	Multi	Relate	Extend
Define Identify Describe	Memorise Define Name Match Identify Label Recall Describe Outline List	Sequence Compare and contrast Explain effects Distinguish Question Classify Explain causes Analyse Organise	Generalise Evaluate Prove Justify Predict Reflect Argue Prioritise Construct Generate



Preparation For Adulthood			
KS4 Students access 4 lessons each week of multi skills sessions giving learners the opportunity to link the curriculum to their lives			
Money	Data	Number	Geometry and measure
Recognising Counting Bank accounts Functional skills Communicating Calculating change Calculating totals of items. Interest rates Shopping	Reading tables Calculating data Most, least etc	Numeracy in the real world Number skills Communication	Recognising shapes and colours Area and perimeter Telling the time Timing of events Reading time tables e.g. bus



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KS4 & KS5



KS4 Maths x 4 lessons a week

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Entry 1	Count, add and subtract with numbers to 10.	Describe and recognise simple 2D shapes	Addition and subtraction to 10	Sort and classify objects	Use mathematical equipment, Add and subtract up to two digits	Maths project
		Comparing objects and events		Entry level testing		
		Practical addition and subtraction.	Using simple measures			
Entry 2	Count forwards and backwards, add, subtract, and recognise the place value of numbers to 100	Describing position	Halving Add and subtract to 20	Sort and classify objects. Collect and record data	Four operations	Maths project
		Comparing object and events				
		Problem solving with numbers to 10				
Entry 3	Work with numbers to 1000. Know their place value, if they are odd or even. Count forwards and backwards. Know the place value of each digit.	Names of 2D and 3D shapes and their properties	Fractions	Solve basic equations Collect like terms	Four operations Use of a calculator	Maths project
		Using and estimating with standard units; length, weight, money and time	Using a calculator			
		Direct proportion	Sorting shapes. Measuring angles Perimeter and area	Collect, record and interpret data	First quadrant coordinates Movements and direction	Pie charts
		Number patterns. Doubling and halving. Multiplication and division	Time Reading scales	Entry level testing		
GCSE	The number system	Graphs	Angles	Graphs	Ratio and proportion	Multiplicative reasoning
	Introduction to algebra	Fractions Indices	Averages		Transformations	
		Equations	Perimeter, area and volume		Probability	Constructions Loci Bearings Similarity/ congruence