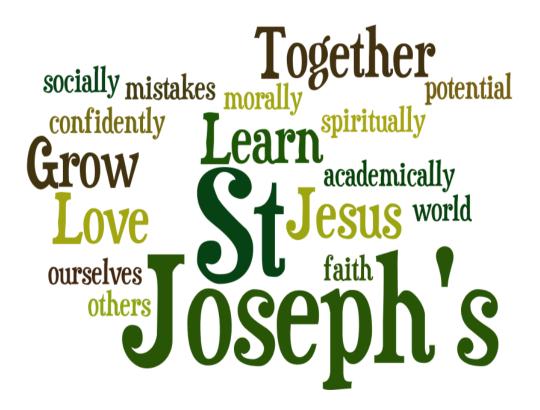


MATHS CURRICULUM



LOVE LEARN GROW



ST JOSEPH'S CURRICULUM – MATHS

INTENT - Love

Children develop a passion for Maths.

Maths is given high priority so that child are confident in each year objectives and develop their ability to use this knowledge to solve varied fluency problems as well as problem solving and reasoning questions.

We ensure all children grasp basic skills so they can build on this.

They become **fluent** in the fundamentals of mathematics, including the varied and regular practice of increasingly complex problems over time.

Solve problems by applying their mathematics to a variety of problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

Reason mathematically by following a line of enquiry, understanding relationships and generalisations, and developing an argument, justification or proof using mathematical language.

Pupils show resilience.

Children know and quickly and confidently recall times tables.

They are able to apply mathematical knowledge to other subjects and life in general.

IMPLEMENTATION - Learn

Children study mathematics daily covering a broad and balanced mathematical curriculum including elements of number, calculation, geometry, measures and statistics. With weekly whole class focused problem solving and arithmetic lessons also built in. There is opportunity to develop fluency skills, problem solving and reasoning in each topic.

White Rose programme forms the basis of the maths curriculum, substituted with a variety of programmes and resource bases. Teachers assess the starting points for all children to ensure next steps and progression. Planning is effective and consistent across all year groups incorporating multi-level challenges. Peeling off technique with lesson groupings varying depending on topics and tasks.

Use of concrete materials – base 10, place value counters and Numicon. Resources are available in each classroom and for all pupils to support grasping of new ideas.

Homework is set on a weekly basis, and relates to the work currently being completed in class. Rockstars is used to enable practise of times tables and motivate pupils. Children are set up using automatic training mode (ATM) so that it is personalised to their needs. We teach Maths in a cross curricular manner as well as discretely to teach the practical application of mathematical skills. Focused days / weeks / parental workshops are used to support learning. Regular staff training to consolidate approaches, develop staff subject knowledge and build on new initiatives.

IMPACT - Grow

Children retain basic skills and develop fluency.

Formal assessment takes place daily and teachers adjust planning accordingly to meet the needs of all in the class and ensure progression.

Summative assessment takes place at the end of each term and children's progress and attainment is discussed as part of Pupil Progress Meetings.

All pupils make progress from their starting points.

Pupils' achievement is above national average in all reported subjects.

Use rigorous triangulated monitoring throughout the year. Monitoring involves: reviewing learning, through 'planning scrutiny' 'book looks' and 'pupil conferencing'. Providing individual feedback to move practice forward, celebrating positives and highlighting areas of development. Staff subject knowledge developed and maintained – all staff understand expectations.

Parents' ability to support children developed. Children ready for the next stage, with basic skills and life skills such as money and time.



	Week 1 Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number Place value (within 10)					ion and in 10)	Geometry Shape	Consolidation			
Spring	NumberNumberPlace valueAddition and(within 20)subtraction(within 20)				Place value (within 50)			Measure Lengt and heigh	:h	Measure Mass and volun	
Summer	^{Number} Multiplicatio and division	on	Number Fract i	ions	Geometry Position and direction		value in 100)	Measurement Money	Measurement Time		Consolidation

	Week 1 Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number Place value			Numbe Addi	er ition an	ıd subtı	Geometry Shape				
Spring	Measurement Money	Numbe Mult		on and division			Measurement Length and height		Measurement Mass, capacity and temperature		
Summer	Statistics	Numbe Fract	^r tions		Geometry Position and direction		Problem solving		Measurement Time		

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	
Autumn	Number Place	value		Number Addit		d subtr	action	Number Multiplication and division A					
Spring		plicatio livision						Number Fractions A			Measurement Mass and capacity		
Summer	Number Measurement Fractions B Money			Measurement Time			Geomet Shap	-	Statistics		Consolidation		

	Week 1 Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number Place value				ion and action	d	Measurement Area	_{Number} Multiplication and division A			Consolidation
Spring	Number Measure Multiplication Lengt and division B and perim			th	Number Fract				Number Decimals A		
Summer	Number Decimals B	Measurement B Money		Measure Time		Consolidation	Geometry Shape		Geomet Sitistic and direct		ion

	Week 1 Week 2 Week	3 Week 4 Week 5	Week 6 Week 7 Week 8	Week 9 Week 10	Week 11 Week 12			
Autumn	Number Place value	_{Number} Addition and subtraction	Number Multiplication and division A	Number Fractions A				
Spring	Number Multiplication and division B	Number Fractions B	Number Decimals and percentages	Measurement Perimeter and area	Statistics			
Summer	Geometry Shape	Geometry Position and direction	Number Decimals	Number Negative Negative Negative Negative Negative Negative Negative Negative Negative Negative Negative Negative Negative	erting			

MATHS - CURRICULUM OVERVIEW

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	NumberNumberPlace valueAddition, subtraction, multiplication and division							Number Fracti	ions A	ions B	Measurement Converting units	
Spring	Ratio Algebra				Number Decin	nals	decim and	Fractions, Are decimals per			neter	
Summer	Geometry Shape	-		Geometry Position and direction	Them	ed proj	ects, co	onsolid	ation a	nd prot	olem so	lving

YEAR 6