

Maths



Intent statement—

Children will explore Maths through a CPA (concrete/pictorial/abstract) approach. They will have the opportunity to use a wide variety of resources and ideas to solve challenges and begin to ask questions.

Focus	Brave Explorer –Skill/attribute
Independence	Evaluates what has been learnt and compares approaches with others.
Imagination	- Use prompts and supports available in the class before asking for help. - Notices connections between subjects. - Use and apply what they know to solve problems - Poses questions that do not have straightforward answers and seeks out problems to solve and challenge the routine method.
Resilience	- If stuck thinks about what could be used to help themselves: equipment, books, displays etc - Attempt tasks with a 'can-do' attitude. - Sees opportunities in mistakes and failures.
Teamwork	- Shows others how to do things - Build upon the ideas of others. - Communicates ideas clearly and responds to suggestions.

Application	Number	Measurement	Geometry	Statistics
Use and apply mathematics in everyday activities and across the curriculum.	Count and calculate in a range of practical contexts.	Use and apply in practical contexts a range of measures, including time.	Use language to describe position, direction and movement.	Handle data in practical contexts
Repeat key concepts in many different practical ways to secure retention.	Explore numbers and place value up to at least 100		Explore the properties of shapes. Use language to describe position, direction and movement.	
	Add and subtract using mental and formal written methods in practical contexts. Multiply and divide using mental and formal written methods in practical contexts.			

Subject and Intent statement

Children will develop mathematical skills needed for life through a mastery approach. They will become fluent in the fundamentals of mathematics; reason mathematically and can solve problems by applying their mathematics. Children will develop their resilience and perseverance skills through the mastery approach. They will apply their mathematical knowledge and skills to others areas of the curriculum and equip themselves for life beyond school.



Application	Number	Measurement	Geometry	Statistics
Rigorously apply mathematical knowledge across the curriculum, in particular in science, technology and computing.	Count and calculate in increasingly complex contexts, including those that cannot be experienced first hand.	Use and apply measures to increasingly complex contexts.	Use the properties of shapes and angles in increasingly complex and practical contexts, including in construction and engineering contexts.	Gather, organise and interrogate data.
Deepen conceptual understanding of mathematics by frequent repetition and extension of key concepts in a range of engaging and purposeful contexts.	Add and subtract using efficient mental and formal written methods.		Describe position, direction and movement in increasingly precise ways.	
	Multiply and divide using efficient mental and formal written methods.			
	Explore numbers and place value so as to read and understand the value of all numbers.			
	Understand the practical value of using algebra.			