MATHS

We want our children to develop:

- ***An understanding of the important concepts and an ability to make connections within mathematics***
- ***A broad range of skills in using and applying mathematics***
- ***Fluent knowledge and recall of number facts and the number system***
- ***The ability to show initiative in solving problems in a wide range of contexts, including the new or unusual***
- ***The ability to think independently and persevere when faced with challenges, showing a confidence of success***
- ***The ability to embrace the value of learning from mistakes or false starts***
- ***The ability to reason, generalise and make sense of solutions***
- ***Fluency in performing written and mental calculations and mathematical techniques***
- ***A wide range of mathematical vocabulary***
- ***A commitment to and passion for the subject***

Our main objectives (our essentials for progress) for Maths are:

- *To know and use numbers*
- *To add and subtract*
- *To multiply and divide*
- *To use fractions*
- *To understand the properties of shapes*
- *To describe position, direction and movement*
- *To use measures*
- *To use statistics*
- *To use algebra*

The children will have these opportunities (curriculum content)

Key Stage 1 (Years 1 and 2)	Key Stage 2 (Years 3,4,5,6)
• Count and calculate in a range of practical contexts • Use and apply mathematics in everyday activities and across the curriculum • Repeat key concepts in many different practical ways to secure retention • Explore numbers and place value up to at least 100 • Add and subtract using mental and formal written methods in practical contexts • Multiply and divide using mental and formal written methods in practical contexts • Explore the properties of shapes • Use language to describe position, direction and movement • Use and apply in practical contexts a range of measures, including time. • Handle data in practical contexts	• Count and calculate in increasingly complex contexts, including those that cannot be experienced first-hand • Rigorously apply mathematical knowledge across the curriculum, in particular in Science, technology and computing • Deepen conceptual understanding of mathematics by frequent repetition and extension of key concepts in a range of engaging and purposeful contexts • Explore numbers and place-value so as to read and understand the value of all numbers • Add and subtract using efficient mental and formal written methods • Use the properties of shapes and angles in increasingly complex and practical contexts, including construction and engineering contexts • Describe position, direction and movement in increasingly precise ways • Use and apply measures to increasingly complex

	contexts • Gather, organise and interrogate data • Understand the practical value of using algebra