Celebrating learning together in faith, hope and love

Curriculum Framework – Maths

INTENT						
At Bishop Perrin, our learners will develop a **deep and secure knowledge and understanding** of mathematics at each stage of their learning so that by the end of every school year or key stage, they will have acquired **mastery of the mathematical facts and concepts** they have been exposed to, equipping them to move on confidently and securely to more advanced material. This approach allows for all children **to succeed in maths** with individualised **support** and **challenge** which is adapted as their knowledge and understanding changes over time. Children develop a **concrete, pictorial and then abstract** understanding of the curriculum and use a range of **manipulatives to structure their conceptual knowledge** which is then **applied across the curriculum for example in Science, PE and Geography. Key number facts and timestables** are taught robustly to support fluency which will enable deeper communication of their mathematical knowledge **through reasoning and problem solving experiences**. Children in the early years explore **mathematical concepts through their play** and carefully constructed child-initiated activities which consolidate their early number skills. **Resilience, endurance and a growth mindset** are nurtured through a carefully constructed maths curriculum which enables all children to experience success, enabling them to celebrate their achievements and learn from and through their mistakes.						
PURPOSE						
Mathematics is a creative and highly inter-connected discipline that has been developed over centuries, providing the solution to some of history's most intriguing problems. It is essential to everyday life, critical to science, technology and engineering, and necessary for financial literacy and most forms of employment. A high-quality mathematics education therefore provides a foundation for understanding the world, the ability to reason mathematically, an appreciation of the beauty and power of mathematics, and sense of enjoyment and curiosity about the subject.						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS						
Reception	Number and Place value: Numbers to 5 Geometry: Exploring Patterns Addition and Subtraction: Sorting Number and Place Value: Comparing Groups	Addition and Subtraction: Change within 5 Geometry: Shape and Space – 3d shapes Addition and Subtraction: Numbers to 5 Measurement: Time	Addition and Subtraction: Numbers to 10 Number and Place Value: Numbers to 10 Measurement: Money Number: estimation	Addition and Subtraction: Addition to 10 and part-part-whole Geometry: Shape and Space – 2d shapes Number and Place Value: Numbers to 20	Additions and Subtraction: Count on and Back Geometry: Shape and Space – symmetry Multiplication and Division: doubling and halving	Multiplication and Division: Numerical patterns Measurement: Measure
KS1						
Year 1	Number: Place Value (within 10) Number: Addition and Subtraction (within 10)	Number: Addition and Subtraction (within 10) Geometry: Shape	Number: Place Value (within 20) Number: Addition and Subtraction (within 20) Number: Place Value (within 50)	Number: Place Value (within 50 multiples of 2,5,10 included) Measurement: length and Height Measurement: Weight and Volume	Number: Multiplication and Division (reinforce multiples of 2, 5, 10 included) Number: Fractions Geometry: Position and Direction	Number: Place Value within 100 Measurement: Money Measurement: Time

Year 2	Number: Place Value Number: Addition and Subtraction	Number: Addition and Subtraction Geometry: Properties of Shape	Measurement: Money Number: Multiplication and Division	Measurement: Length and Height Measurement: Mass, Capacity and Temperature	Number: Fractions Measurement: Time	Geometry: Position and Direction Statistics
KS2						
Year 3	Number: Place Value Number: Addition and Subtraction	Number: Addition and Subtraction Number: Multiplication and Division	Number: Multiplication and Division Measurement: Length and Perimeter	Number: Fractions Measurement: Mass and Capacity	Number: Fractions Measurement: Time Measurement: Money	Geometry: Properties of Shape Statistics
Year 4	Number: Place Value Number: Addition and Subtraction	Number: Addition and Subtraction Number: Multiplication and Division Measurement: Area Number: Multiplication and Division	Number: Multiplication and Division Measurement: Length and Perimeter Number: Fractions	Number: Fractions Number: Decimals	Number: Decimals Measurement: Money Measurement: Time	Statistics Geometry: Properties of Shape Geometry: Position and Direction
Year 5	Number: Place Value Number: Addition and Subtraction	Number: Multiplication and Division Number: Fractions	Number: Multiplication and Division Number: Fractions	Number: Fractions Number: Decimals and Percentages Measurement: Perimeter and Area Statistics	Number: Decimals Geometry: Properties of Shape Geometry: Position and Direction	Number: Negative numbers Measurement: Converting Units Measurement: Volume
Year 6	Number: Place Value Number: Addition, Subtraction, Multiplication and Division	Number: Fractions Measurement: Converting Units	Number: Decimals Numbers: Ratio Number: Algebra	Number: Fractions, decimals and percentages Measurement: Perimeter, Area, Volume Statistics	Geometry: Properties of Shape / Position and Direction Problem Solving	Investigations Economic Literacy