Numeracy
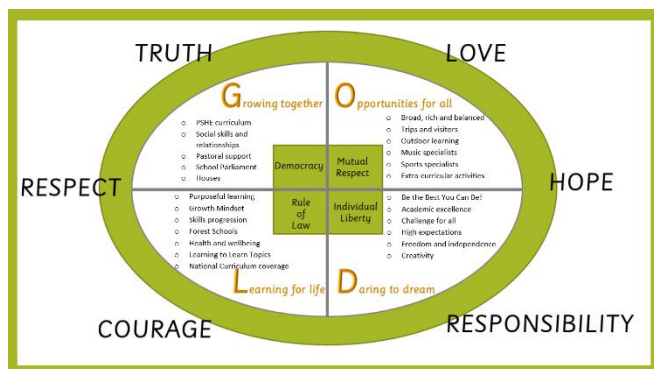

TRUTH · LOVE · RESPECT · HOPE · COURAGE · RESPONSIBILITY

Essential characteristics of a mathematician:

• 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 to persevere when faced with challenges, showing a confidence of success.
• The ability to embrace the value of learning from mistakes and 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.

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	Number songs/stories/ number of the day/spotting numbers/assessments Just like me! - Match & sort - Compare amounts - Compare size, mass & capacity - Exploring Pattern	It's me 1,2,3 Representing, comparing & composition 1,2,3 Circles & triangle Positional language Light and Dark Representing numbers 1-5 One more and one less Shapes with 4 sides Time	Alive in 5! - Introducing 0 - Comparing numbers to 5 - Composition of 4 & 5 - Comparing mass & capacity Growing 6,7,8 - 6,7,8 - Making pairs - Combining 2 groups - Length & height - Time	Building 9&10 - 9 & 10 - Comparing numbers to 10 - Bonds to 10 - 3D shape - Pattern Consolidation (AFL)	To 20 and beyond - Building numbers beyond 10 - Counting patterns beyond 10 - Spatial reasoning - Match, rotate, manipulate First, Then, Now - Adding more - Taking away - Spatial reasoning - Compose & decompose	Find my pattern - Doubling - Sharing & grouping - Even & odd - Spatial reasoning - Visualise & build On the move - Deepening understanding - Patterns and relationships - Spatial reasoning - Mapping
Year 1	Number: Place value (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) Measurement: Length & height Measurement: Mass & volume	Number: Multiplication and division Number: Fractions Geometry: Positon & direction	Number: Place value (within 100) Measurement :Money Measurement: Time
Year 2	Number: Place value	Number: Addition and subtraction Geometry: Shape	Measurement: Money Number: Multiplication & division	Measurement: Length & height Measurement: Mass, Capacity & temperature	Number: Fractions Measurement: Time	Statistics Geometry: Position & direction
Year 3	Number: Place value Number: Addition and subtraction	Number: Multiplication and division A	Number: Multiplication and division B Measurement: Length & perimeter	Number : Fractions A Measurement: Mass & capacity	Number : Fractions A Measurement: Money Measurement: Time	Geometry: Shape Statistics
Year 4	Number: Place Value	Number: Addition and subtraction Number: Multiplication and division A	Number: Multiplication and division B Measurement: Length & perimeter	Number: Fractions Number: Decimals A	Number: Decimals B Measurement: Money Measurement: Time	Geometry: Shape Statistics Geometry: Position & direction
Year 5	Number: Place Value Number: Addition and subtraction	Number: Multiplication & Division A Number: Fractions A	Number: Multiplication & Division B Number: Fractions B Number: Decimals & Percentages	Measurement: Perimeter & Area Statistics	Geometry: Shape Geometry: Position & direction Number: Decimals	Numbers: Negative numbers Measurement: Converting units Measurement: Volume
Year 6	Number: Place Value Number: Addition, subtraction, multiplication and division	Number: Fractions A Number: Fractions B Measurement Converting units	Ratio Algebra Number: Decimals	Number: Fractions, decimals & percentages Measurement: Area, perimeter & volume Statistics	Geometry: Shape Geometry: Position & direction	Themed projects, consolidation & problem solving