Howard Park Community School Maths Long Term Plan

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	Accurate and verbal counting to 5 Measures: Size Spatial Reasoning – Position Shape – Matching Sorting by a single property, e.g. colour	1:1 correspondence – cardinality to 3 Subitising 1 and 2 Measure: Length Shape – combining shapes (2D and 3D) Sorting – by 2 properties	Cardinality to 5 Subitising 3 Spatial reasoning – directional language Shape – 2D – pattern and picture marking Sorting – using different combinations of properties	Begin to recognise numerals and match to sets Measures – weight Shape – 3D shape Sorting and sequencing – AB sequences; copy and continue patterns, e.g. colour and size	Conservation of numbers to 5 Comparison of sets – more/less Measures – time; sequence of events Sorting and sequencing: simple AB sequences of sounds, actions, objects (make own pattern)	Accurate and consistent verbal counting to 10 Composition – separate a group of ¾ in different ways Comparison – making equal sets Measures: capacity and volume Spatial Reasoning Shape: properties of 2D shapes, matching shapes
Reception	Matching – sorting and comparing Comparing amounts Comparing size, mass and capacity Exploring pattern	Representing 1-5 Comparing 1-5 Composition 1-5 Formation 1-5 One more and one less Circles and triangles Positional language Shapes with 4 sides Time	Introducing 0 Comparing numbers to 5 Composition of 4 and 5 Comparing mass Comparing capacity, time, length and height Numbers 6, 7, 8 Making pairs Combining 2 groups	Numbers 9 and 10 Comparing numbers to 10 Number bonds to 10 3D shapes Pattern	Building numbers beyond 10 Adding more, taking away Counting patterns beyond 10 Spatial reasoning Match, rotate, manipulate Compose and decompose	Doubling Sharing and grouping Even and Odd Deepening understanding Patterns and relationships Spatial reasoning Visualise and build Mapping
Year 1	Place Value within 10 Addition & Subtraction within 10	Addition & Subtraction within 10 Geometry and Shape Place Value within 20	Addition & Subtraction within 20 Place Value within 50	Measurement: Length & Height Measurement: Weight & Volume	Multiplication & Division Fractions Position & Direction	Place Value within 100 Measurement: Money Measurement: Time
Year 2	Number – Place Value Number - Addition	Number- Subtraction Measurement- Money	Number- Multiplication and Division Statistics	Geometry- Shape Number- Fractions	Measurement- Length and Height Geometry- Position and Direction Measurement- Time	Mass Capacity and Temperature Problem Solving

Year 3	Number: Place Value Number: Addition and Subtraction	Number: Addition and Subtraction Number: Multiplication and Division 1	Number: Multiplication and Division 2 Measurement: Money Statistics	Measurement: Length and Perimeter Number: Fractions 1	Number: Fractions 2 Measurement: Time	Geometry: Properties of shape Measurement: Mass and Capacity
Year 4	Place Value Addition and Subtraction	Length and Perimeter Multiplication and Division	Multiplication and Division Measurement and Area Fractions	Fractions (continued) Decimals	Decimals Money Time	Statistics Properties of Shape Position and Direction
Year 5	1. Number: Place value / Statistics 2. Number: Addition and Subtraction	2. Number: Addition and Subtraction, cont. 3. Number: Multiplication and Division 5. Measurement: Perimeter and Area	6. Number: Multiplication and Division 7. Number: Fractions	7. Number: Fractions, cont. 8. Number: Decimals and Percentages	9. Number: Decimals 10. Geometry: Properties of Shape	10. Geometry: Properties of Shape, cont 11. Geometry: Position and Direction 12. Measurement: Converting Units 13. Measurement: Volume
Year 6	Number: - Place value - Rounding - Negative numbers - Addition, subtraction - Multiplication, long division - Factors, multiples, prime BIDMAS	Number: - Fractions: simplify, compare, order, add, subtract, multiply, divide Geometry: - Quadrants - Translations Reflections	Number: - Decimals: multiply and divide - Percentages: FDP and percentages of amounts Algebra: forming expressions, substitution, forming and solving equations, finding pairs of values	Measurement: - Converting units: metric, imperial, miles to km - Area, perimeter and volume Number: - Ratio: calculating ratio, scale factors, proportion SAT Revision	Statistics: - Line graphs - Circles - Pie charts - Mean Geometry: - Angle rules Drawing nets	Mathematical Investigations and consolidation