



WHEELER
PRIMARY SCHOOL

Mathematics

2020-21

Long-term plan

This document details the topics covered in Mathematics, at Wheeler, from EYFS to Year 6 across the full academic year.

Topics are spread across the three terms and, in some instances, topics have had to be stretched across a half term. This is due to term lengths. It is suggested at these points that time is spent before the half term looking at the concept and allowing children to develop fluency. Reasoning and problem-solving skills/tasks can then be developed after the half term. This has tried to be kept to a minimum.

“Block” approach

Topics are split into “blocks” across the terms. The reason for this is to give enough time to each strand of maths and to allow children to explore concepts much deeper than they would if the curriculum were planned in a way which ‘flitted’. To this end, it is vital that concepts are constantly revised throughout the year in a cross-curricular approach. For example, measures must be taught discretely to ensure children can apply what they know later. This can then be revisited through calculation, statistics and measure, for example.

It is essential that teachers follow the progression of the topics below **in the order which they appear**.

Resources

Where possible, consideration has been given across the year groups to topics which require resources that are outside of “day-to-day” manipulative provision (such as clocks).

Please ensure resources are returned to the classroom responsible for keeping them, in the state which they were found, as soon as you are finished with them.

EYFS

| | | | | | | | |
|---------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------|
| Autumn | Developing number sense Numbers 1-10 | Place value Comparing, sorting, subitising, one more and one less | Sharing From 2 onwards | Half Term | Measurement Time | Geometry: 2D shape and pattern | Measurement Weight and capacity |
| Spring | Developing number sense Consolidation of 1-10 Numbers 11-15 | Place value Comparing, sorting, subitising, one more and one less | Addition and subtraction | Half Term | Consolidation of numbers 1-15 | Place value Number bonds and partitioning Doubling, halving and sharing | Geometry: 3D shape and spatial awareness |
| Summer | Developing number sense and place value with numbers 16-20 | Odd and even numbers | Half Term | Length and height / weight and capacity | Addition and subtraction | Preparation for Y1 Counting in 2s, 5s and 10s | Transition |

Year 1

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|---------------|------------------------------------|--------------------------------------|-----------|----------------------------------|-------------------------------------|--------------------------------------|------------|
| Autumn | Number and place value (within 10) | Addition and subtraction (within 10) | Half Term | Geometry: Shape | Number and place value (within 20) | Addition and subtraction (within 20) | |
| Spring | Number and place value (within 50) | Time | Half Term | Measure: Length and height | Measure: Weight and volume | | |
| Summer | Multiplication and division | Fractions | Half Term | Geometry: position and direction | Number and place value (within 100) | Measure: money | Transition |

Year 2

| | | | | | | | | |
|---------------|------------------------------------------|------------------------------------------------------|-----------------|-----------------|-----------------------------------------------------------------|----------------------------------|------|-----------------------------|
| Autumn | Number and place value | Addition and subtraction | Half Term | Measures: Money | Multiplication and division | | | |
| Spring | Statistics | Fractions | | Half Term | Geometry: Properties of shape | Geometry: Position and direction | Time | Measures: Length and height |
| Summer | Measures: Mass, capacity and temperature | Pre-SATs Revision Refer to individual class' plan | KS1 SATS | Half Term | Gap analysis based on SATs data Preparation for Year 3 / KS2 | | | Transition |

Year 3

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|---------------|-------------------------------|--------------------------------|-----------|-----------------------------|-----------------------------|------------|
| Autumn | Number and place value | Addition and subtraction | Half Term | Multiplication and division | | |
| Spring | Measures: Money | Statistics | Half Term | Fractions | | |
| Summer | Geometry: Properties of shape | Measures: Length and perimeter | Half Term | Time | Measures: Mass and capacity | Transition |

Year 4

| | | | | | | |
|---------------|-------------------------------|----------------------------------|-----------|--------------------------------------|------------|------------|
| Autumn | Number and place value | Addition and subtraction | Half Term | Multiplication and division | Fractions | |
| Spring | Fractions | | Time | Half Term | Decimals | Money |
| Summer | Geometry: Properties of shape | Geometry: position and direction | Half Term | Measures: Length, area and perimeter | Statistics | Transition |

Year 5

| | | | | | | |
|---------------|-------------------------------|----------------------------------|-----------|--------------------------------------|----------------------|-------------|
| Autumn | Number and place value | Addition and subtraction | Half Term | Multiplication and division | Measures: Converting | |
| Spring | Fractions | | Time | Half Term | Decimals | Percentages |
| Summer | Geometry: Properties of shape | Geometry: position and direction | Half Term | Measures: Area, perimeter and volume | Statistics | Transition |

Year 6

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|---------------|------------------------------------------------------|-------------|--------------------------|-------|-----------------------------|-----------|-------------------------------|----------------------------------|-----------|--------------------------------------|----------------------|
| Autumn | Number and place value | | Addition and subtraction | | Multiplication and division | | Half Term | Algebra | Fractions | | Measures: Converting |
| Spring | Decimal | Percentages | | Ratio | Statistics | Half Term | Geometry: Properties of shape | Geometry: Position and direction | | Measures: Area, perimeter and volume | |
| Summer | Pre-SATs Revision Refer to individual class' plan | | | | KS2 SATS | Half Term | Post-SATs Problem Solving | | | Transition | |