Year 5 Maths Overview 2022-2023

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12

20mm Arithmetic

Autumn

Number: Place Value
- Numbers to 10,000
- Round to the nearest 10 100 and 1000
- Numbers t0 100000
- Compare and order numbers to 100000
- Numbers to a million
- Counting in 10s, 100s, 1000s, 10000s and 100000s
- Compare and order numbers to one million
- Round numbers to one million
- Negative numbers
- Roman numerals to 1000

Number: Addition and subtraction
- Add whole numbers with more than 4 digits
- Subtract whole numbers with more than 4 digits
- Round to estimate and approximate
- Inverse operation
- Multi-step problems

Multiplication and Division 1
- Multiples
- Factors
- Common factors
- Prime numbers Square numbers
- Cube numbers
- Multiply by 10, 100 and 1000
- Divide by 10 100 and 1000
- Multiples of 10, 100 and 1000

Fractions 1
- Equivalent fractions
- Improper fractions to mixed numbers
- Mixed numbers to improper fractions Number sequences
- Compare and order fractions less than 1
- Compare and order fractions greater than 1

Measurement: Perimeter and Area
- Measure perimeter
- Calculate perimeter
- Area of rectangles
- Area of compound shapes
- Area of irregular shapes

Measurement: Volume
- What is volume?
- Compare volume
- Estimate volume
- Estimate capacity

20mm Arithmetic

Spring

Fractions 2
- Add and subtract fractions
- Add fractions within 1
- Add 3 or more fractions
- Add fractions
- Add mixed numbers

Multiplication and Division 2
- Multiply 4 digits by 1 digit
- Multiply 2 digits (area model0
- Multiply 2 digits by 2 digits
- Multiply 3-digits by 2-digits
- Multiply 4-digits by 2-digits
- Divide 4-digits by 1-digit
- Divide with remainders

Negative numbers

Fractions 3
- Subtract mixed numbers
- Subtract – breaking the whole
- Subtract 2 mixed numbers
- Multiply unit fractions by an integer
- Multiply non-unit fractions by an integer
- Multiply mixed numbers by integers
- Fraction of an amount
- Using fractions as operators

Number: Decimals and percentages
- Decimals up to 2 d.p.
- Decimals as fractions (1)
- Decimals as fractions (2)
- Understand thousandths
- Thousandths as decimals
- Rounding decimals
- Order and compare decimals
- Understand percentages
- Percentages as fractions and decimals
- Equivalent F.D.P.

20mm Arithmetic

Summer

Geometry: Properties of shape
- Measure angles in degrees
- Measuring with a protractor (1)
- Measuring with a protractor (2)
- Drawing lines and angles accurately
- Calculating angles on a straight line
- Calculating angles around a point
- Calculating lengths and angles in shapes
- Regular and irregular polygons
- Reasoning about 3-D shapes

Geometry: Position and direction
- Position in the first quadrant
- Translation
- Translation with coordinates
- Reflection
- Reflection with coordinates

BERLIN

Number Decimals
- Adding decimals within 1
- Subtracting decimals within 1
- Complements to 1
- Adding decimals – crossing the whole
- Adding decimals with the same number of decimal places
- Subtracting decimals with the same number of decimal places
- Adding decimals with a different number of decimal places
- Subtracting decimals with a different number of decimal places
- Adding and subtracting wholes and decimals
- Decimal sequences
- Multiplying decimals by 10, 100 and 1,000
- Dividing decimals by 10, 100 and 1,000

HEALTH WEEK

Statistics
- Read an interpret line graphs
- Draw line graphs
- Use line graphs to solve problems
- Read and interpret tables
- Two-way tables
- Timetables

Measurement: Converting units
- Kilograms and kilometres
- Millimetres and millilitres
- Metric units
- Imperial units
- Converting units of time
- Timetables