TJA - Year 4 LTP

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

Autumn

Daily 5 carried out each day – to contain:

1 x addition
1 x subtraction
1 x division
1 x multiplication
1 x inverse operation

2 challenge questions – can be reasoning focus

Ensure differentiation takes place is needed

Friday focus on all times tables

Number: Place Value (Weeks 1–3)

National Curriculum objectives
1. Count in multiples of 6, 7, 9, 25 and 1000
2. Find 1000 more or less than a given number
3. Count backwards through zero to include negative numbers
4. Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)
5. Order and compare numbers beyond 1000
6. Identify, represent and estimate numbers using different representations
7. Round any number to the nearest 10, 100 or 1000
8. Solve problems that involve all of the above and with increasingly large positive numbers
9. Read Roman numerals to 100 (I to C)

Small Steps

Week 1
- Represent numbers to 1,000 and number line to 1,000
- Find 1, 10, 100 more and less
- Count in 1,000s and Identifying 1,000s, 100s, 10s and 1s
- Partitioning 1,000s, 100s, 10s and 1s

Week 2
- 1,000 more and less
- Round to the nearest 10, 100, 1,000.

Week 3
- Compare numbers
- Order numbers
- Negative numbers
- Roman numerals to 100

Number: Addition and Subtraction (Weeks 4–5)

National Curriculum objectives
1. Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate
2. Estimate and use inverse operations to check answers to a calculation
3. Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.

Small Steps

Week 1
- Add and subtract 1s, 10s, 100s and 1,000s
- Add two 3 digit numbers and add two 4 digit numbers – not crossing 10 and 100
- Add two 3 digit numbers – crossing 10 and 100
- Add two 4 digit numbers – crossing 10 and 100

Week 2
- Subtract a 3 digit number from a 3 digit number and two 4 digit numbers– no exchange
- Subtract a 3 digit number from a 3 digit number– one exchange
- Subtract two 4 digit numbers – one exchange

Number: Fractions (Weeks 6–7)

National Curriculum objectives
1. Recognise and show, using diagrams, families of common equivalent fractions
2. Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number

Small Steps
Week 1
- Tenths and count in tenths
- Common equivalent fractions
- Fractions of quantities
- Use fractions to divide quantities

Week 2
- Equivalent fractions
- Fractions greater than 1
- Count in fractions

Measurement: Length & Perimeter (Weeks 8–9)

National Curriculum objectives
1. Convert between different units of measure [for example, kilometre to metre; hour to minute]
2. Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres
3. find the area of rectilinear shapes by counting squares

Small Steps
Week 1
- Equivalent lengths – m and cm Equivalent lengths – mm to cm
- Equivalent lengths – kilometre to metre
- Add and subtract lengths

Week 2
- Measure perimeter
- Perimeter on a grid
- Perimeter of a rectangle
- Area and perimeter of rectilinear shapes by counting squares

Number: Multiplication and Division (Weeks 10–11)

National Curriculum objectives
1. Multiply two-digit and three-digit numbers by a one-digit number using formal written layout.
2. Recognise and use factor pairs and commutativity in mental calculations

Small Steps

Week 1
- Multiply by 10
- Multiply by 100
- Divide by 10
- Divide by 100
- Factor pairs

Week 2
- Multiply upto 3 digits by 1 digit
- Divide 2 digits by 1 digit

Week 12 — Assessment Week

Spring

Daily 5 carried out each day – to contain:

1 x addition
1 x subtraction
1 x division
1 x multiplication
1 x inverse operation

2 challenge questions – can be reasoning focus

Ensure differentiation takes place is needed

Friday focus on all times tables

Number: Place Value (Weeks 1–2)

National Curriculum objectives
1. Count in multiples of 6, 7, 9, 25 and 1000
2. Find 1000 more or less than a given number
3. Count backwards through zero to include negative numbers
4. Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)
6. Identify, represent and estimate numbers using different representations
7. Round any number to the nearest 10, 100 or 1000
8. Solve problems that involve all of the above and with increasingly large positive numbers
9. Read Roman numerals to 100 (I to C)

Small Steps

Week 1
- Identifying and partitioning 1,000s, 100s, 10s and 1s
- Round to the nearest 10, 100, 1000
- Negative numbers
- Order and compare numbers

Week 2
- Roman numerals
- Solve number and practical problems that involve all of the above

Number: Four Operations (Weeks 3–4)

National Curriculum objectives
1. Recall multiplication and division facts for multiplication tables up to 12 × 12
2. Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers
3. Recognise and use factor pairs and commutativity in mental calculations
4. Multiply two-digit and three-digit numbers by a one-digit number using formal written layout.
5. Solve problems involving multiplying and adding,

Small Steps

Week 1
- Add two 4 digit numbers – more than one exchange
- Subtract two 4 digit numbers – more than one exchange
- Efficient addition and subtraction (inc using inverse)
- Problem solving

Week 2
- Factor pairs
- Efficient multiplication
- Mixed multiplication and division problems

Geometry: Shape (Week 5)

National Curriculum objectives
1. Compare and classify geometric shape
2. Identify acute and obtuse angles and compare and order angles up to two right angles by size

Small Steps

Week 1
- Identify the properties of 2D and 3D shapes
- Identify angles
- Compare and order angles

Number: Fractions (Weeks 6–7)

National Curriculum objectives
1. Recognise and show, using diagrams, families of common equivalent fractions
2. Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number
3. Add and subtract fractions with the same denominator

Small Steps
Week 1
- Count in fractions
- Add 2 or more fractions
- Subtract 2 fractions
- Subtract from whole amounts

Week 2
- Fractions of a set of objects
- Calculate fractions of a quantity
- Problem solving – calculate quantities

Number: Decimals (Weeks 8–9)

National Curriculum objectives
1. Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten
2. Recognise and write decimal equivalents of any number of tenths or hundredths
3. Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths

Small Steps

Week 1
- Recognise 10ths, 100ths and count up and down in hundredths
- Tenths as decimals
- Hundredths as decimals
- Tenths and hundredths on a place value grid and number line

Week 2
- Divide 1 digit by 10
- Divide 2 digits by 10
- Divide 1 or 2 digits by 100

Statistics (Week 10)

National Curriculum objectives
1. interpret & present discrete & continuous data using appropriate graphical.
2. Solve comparison, sum and difference problems using information presented

Small Steps

Week 1
- Interpret charts
- Comparison, sum & difference
- Line graphs

Measurement: Time (Week 11)

National Curriculum objectives
1. Read, write and convert time between analogue and digital 12- and 24-hour clocks
2. Solve problems involving - hours to minutes; minutes to seconds; years to months; weeks to days.

Small Steps

Week 1
- Telling the time to 5 minutes
- Telling the time to the minute
- Hours, minutes and seconds
- Years, months, weeks and days

Week 12 — Assessment Week

Summer

Daily 5 carried out each day – to contain:

1 x addition
1 x subtraction
1 x division
1 x multiplication
1 x inverse operation

2 challenge questions – can be reasoning focus

Ensure differentiation takes place is needed

Friday focus on all times tables

Number: Place Value (Weeks 1–2)

National Curriculum objectives
1. place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)
2. Order and compare numbers beyond 1000
3. Identify, represent and estimate numbers using different representations
4. Round any number to the nearest 10, 100 or 1000
5. Solve problems that involve all of the above and with increasingly large positive numbers

Small Steps

Week 1
- Compare and order numbers up to 10,000
- Read and write numbers up to 10,000

Week 2:
- Larger than 4 digit numbers place value
- Rounding including decimals with 1 d.p to whole number

Number: Four Operations

National Curriculum objectives
1. Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers
8. Round decimals with one 2 decimal place to the nearest whole number
4. Multiply two-digit and three-digit number by a one-digit number using formal written layout
5. Solve problems involving multiplying and adding,

Small Steps

Week 1
- Addition and subtraction more than 4 digits inc exchanges
- Multiplication re-cap
- Division re-cap

Number: Decimals

National Curriculum objectives
1. Recognise and write decimal equivalents to ¼ ½ and ¾
8. Round decimals with one 2 decimal place to the nearest whole number
3. Compare numbers with the same number of decimal places up to two decimal places.

Small steps
Week 1
- Decimal equivalents
- Make a whole
- ½ ¼ ¾
- Compare decimals (up to 2 d.p)
- Order decimals

Measurement: Money

National Curriculum objectives
1. Estimate, compare and calculate different measures, including money in pounds and pence

Small Steps

Week 1
- Pounds and pence
- Ordering money
- Estimating money
- Convert pounds and pence

Week 2
- Add money
- Subtract money
- Find change
- Compare money

Statistics

National Curriculum objectives
1. interpret & present discrete & continuous data using appropriate graphical.
2. Solve comparison, sum and difference problems using information presented

Small Steps
Week 1
- Interpret charts
- Comparison, sum & difference
- Line graphs

Times Tables Focus

Geometry: Shape

National Curriculum objectives
1. Compare and classify geometric shapes, 2. Identify acute and obtuse angles and compare and order angles up to two right angles by size
3. Identify lines of symmetry in 2-D shapes
4. Complete a simple symmetric figure

Small Steps

Week 1
- Identify angles
- Compare and order angles

Week 2
- Triangles and quadrilaterals
- Horizontal and vertical
- Lines of symmetry
- Complete a symmetric figure

Measurement: Position & Direction

National Curriculum objectives
1. describe positions on a 2-D grid as coordinates in the first quadrant
2. Describe movements between positions as translations of a given unit to the left/right up/down
3. Plot specified points and draw sides to complete a given polygon.

Small Steps

Week 1
- Describe position (first quadrant)
- Draw on a grid
- Move on a grid
- Describe movement on a grid

Week 12 — Assessment Week

Any spare weeks in any term = gap analysis