Year 2—Autumn Term—NC Objectives

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week14

Number: Place Value (Weeks 1–3)

Read and write numbers to at least 100 in numerals and in words.

Recognise the place value of each digit in a two digit number (tens, ones)

Identify, represent and estimate numbers using different representations including the number line.

Compare and order numbers from 0 up to 100; use <, > and = signs.

Use place value and number facts to solve problems.

Count in steps of 2, 3 and 5 from 0, and in tens from any number, forward and backward.

Number: Addition and Subtraction (Weeks 4–6)

Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.

Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens; two two-digit numbers; adding three one-digit numbers.

Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.

Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods.

Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.

Measurement: Money (Week 7)

Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value.

Find different combinations of coins that equal the same amounts of money.

Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.

Number: Addition and Subtraction (Weeks 8–9)

Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.

Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens; two two-digit numbers; adding three one-digit numbers.

Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.

Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods.

Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.

Measurement: Money (Week 10)

Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value.

Find different combinations of coins that equal the same amounts of money.

Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.

Number: Multiplication and Division (Weeks 11–12)

Recall and use multiplication and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers.

Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) sign.

Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.

Show that the multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.

Geometry- properties of shape (Week 13)

Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.

Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces.

Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid.]

Compare and sort common 2-D and 3-D shapes and everyday objects.

Year 2—Autumn Term—Small Steps

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14

Number: Place Value

Count objects to 100 and read and write numbers in numerals and words.

Represent numbers to 100

Tens and ones with a part whole model

Tens and ones using addition

Use a place value chart

Compare objects

Compare numbers

Order objects and numbers

Count in 2s, 5s and 10s

Count in 3s

Number: Addition and Subtraction

Fact families—Addition and subtraction bonds to 20

Check calculations

Related facts

Bonds to 100 (tens)

Add and subtract 1s

10 more and 10 less

Add and subtract 10s

Add a 2-digit number to a 1-digit number—crossing ten

Subtract a 1-digit number from a 2-digit number—crossing ten

Add two 2-digit numbers—not crossing ten—add ones and add tens

Add two 2-digit numbers—crossing ten—add ones and add tens

Subtract a 2-digit number from a 2-digit number— not crossing ten

Subtract a 2-digit number from a 2-digit number— crossing ten—subtract ones and tens

Bonds to 100 (tens and ones)

Add three 1-digit numbers

Compare number sentences

Measurement: Money

Count money—pence

Count money—pounds (notes and coins)

Select money

Make the same amount

Compare money

Number: Addition and Subtraction

Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods.

Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.

Refer to content from small steps weeks 4-6

Measurement: Money

Find the total

Find the difference

Find change

Two-step problems

Number: Multiplication and Division

Recognise equal groups

Make equal groups

Add equal groups

Multiplication sentences using the (x) symbol

Multiplication sentences from pictures.

Use arrays

2 times-table

5 times-table

10 times-table

Geometry: Properties of Shape

Recognise 2D and 3D shapes

Count sides on 2D shapes

Count vertices on 2D shapes

Lines of symmetry

Draw 2D shapes

Count faces on 3D shapes

Count edges on 3D shapes

Count vertices on 3D shapes.

Year 2—Spring Term— NC Objectives

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Statistics Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. Ask and answer questions about totalling and comparing categorical data.	Number: Multiplication and Division Recall and use multiplication and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers. Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) sign. Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts. Show that the multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.		Statistics Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. Ask and answer questions about totalling and comparing categorical data.	Number: Fractions Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity. Write simple fractions for example, 1/2 of 6 = 3 and recognise the equivalence of 2/4 and 1/2.		Measurement: Mass, Capacity and Temperature Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels Compare and order lengths, mass, volume/capacity and record the results using >, < and =		Geometry- properties of shape Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line. Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces. Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid.] Compare and sort common 2-D and 3-D shapes and everyday objects.	Measurement: Length and Height Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels Compare and order lengths, mass, volume/capacity and record the results using >, < and =	Number: Fractions Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity. Write simple fractions for example, 1/2 of 6 = 3 and recognise the equivalence of 2/4 and 1/2.	Consolidation

Year 2—Spring Term— Small Steps

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Statistics Make tally charts Draw and interpret pictograms (1-1)	Number: Multiplication and Division Make equal groups—Sharing Make equal groups—grouping Divide by 2 Odd and even numbers Divide by 5 Divide by 10		Statistics Draw and interpret pictograms (2,5 and 10) Block diagrams	Number: Fractions Make equal parts Recognise a half Find a half Recognise a quarter Find a quarter Recognise a third Find a third Unit fractions Count in fractions		Measurement: Mass, Capacity and Temperature Compare mass Measure mass in grams Measure mass in kilograms Compare capacity Millilitres Litres Temperature		Geometry: Properties of Shape Sort 2D and 3D shapes Make patterns with 2D and 3D shapes	Measurement: Length and Height Measure length (cm) Measure length (m) Compare lengths Order lengths Four operations with lengths	Number: Fractions Non-unit fractions Equivalence of 1/2 and 2/4 Find 3/4 Count in fractions	Consolidation

Year 2—Summer Term—NC Objectives

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Position and Direction Use mathematical vocabulary to describe position, direction and movement including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise). Order and arrange combinations of mathematical objects in patterns and sequences		Measurement: Time Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times. Know the number of minutes in an hour and the number of hours in a day. Compare and sequence intervals of time.	Problem Solving and Efficient Methods Activities that challenge children's reasoning, investigative and problem solving skills. To include problems involving number, money, shape, position and direction, measure, statistics and fractions.	Position and Direction Use mathematical vocabulary to describe position, direction and movement including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise). Order and arrange combinations of mathematical objects in patterns and sequences	Measurement: Mass, Capacity and Temperature Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels Compare and order lengths, mass, volume/capacity and record the results using >, < and =	Measurement: Time Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times. Know the number of minutes in an hour and the number of hours in a day. Compare and sequence intervals of time.	Revision of previously taught NC strands Problem solving and Efficient Methods Activities that consolidate and challenge children's reasoning, investigative and problem solving skills. To include problems involving number, money, shape, position and direction, measure, statistics and fractions. Resource Sources *I see Reasoning Gareth Metcalfe* *Maths No Problem* *Rising Stars* *White Rose* *NRICH* *Other internet sources*			Investigations	

Year 2—Summer Term—Small Steps

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Position and Direction — Describing movement — Describing turns — Making patterns with shapes		Measurement: Time — O'clock and half past — Quarter past and quarter to — Telling the time to 5 minutes	Problem Solving and Efficient Methods — Activities that challenge children's reasoning, investigative and problem solving skills. To include problems involving number, money, shape, position and direction, measure, statistics and fractions.	Position and Direction — Describing movement and turns — Making patterns with shapes	Measurement: Mass, Capacity and Temperature — Compare and order lengths, mass, volume/ capacity and record the results using >, < and = — Problem solving with mass, capacity and temperature. — *Refer to small steps Spring*	Measurement: Time — Minutes in an hour, hours in a day — Find durations of time — Compare durations of time	Revision of previously taught NC strands — Problem solving and Efficient Methods — Activities that consolidate and challenge children's reasoning, investigative and problem solving skills. To include problems involving number, money, shape, position and direction, measure, statistics and fractions. — Resource Sources — *I see Reasoning Gareth Metcalfe* — *Maths No Problem* — *Rising Stars* — *White Rose* — *NRICH* — *Other internet sources*			Investigations	