

Barndale House School
Mathematics Scheme of Work
Yearly Overview

Post 14 (linked to Functional Skills Mathematics framework - Milestones and Entry Levels)

	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	Contexts for Number: Place Value		Measure, Shape and Space: Money	Measure, Shape and Space: Shape		Handling Data	Measure, Shape and Space: Length, Width and Height		Measure, Shape and Space: Weight	Measure, Shape and Space: Time		Consolidation
Spring	Contexts for Number: Addition and Subtraction up to 100		Measure, Shape and Space: Money	Measure, Shape and Space: Weight, Capacity and temperature		Measure, Shape and Space: Time		Measure, Shape and Space: Money	Handling Data	Measure, Shape and Space: Position		Consolidation
Summer	Contexts for Number: Multiplication and Division		Measure, Shape and Space: Money		Measure, Shape and Space: Position	Handling Data	Measure, Shape and Space: Time		Measure, Shape and Space: Position		Measure, Shape and Space: Money	Consolidation

Post 14 - Autumn Term

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<u>Place Value:</u> Read, write, order and compare numbers with up to 2 significant figures Identify missing numbers in sequences Understands and use whole numbers with up to two significant figures including the use of zero as a place holder Identify odd and even numbers		<u>Money:</u> Find different amounts of money using a combination of coins	<u>Shape:</u> Know the properties of 2D and 3D shapes Use the properties of 2D and 3D shapes to solve practical problems and make conclusions		<u>Handling Data:</u> Identify the largest and smallest value in a simple list Use information in simple lists to make recommendations	<u>Length, Width and Height:</u> Estimate and measure lengths using non-standard units Recognise common metric units for length, width and height Measure using a metric ruler		<u>Weight:</u> Recognise common metric units for weight Weigh objects using scales to the nearest labelled division Order weights of given objects Know abbreviations for common metric units for weight	<u>Time:</u> Use common date formats Identify dates on calendars		Consolidation

Post 14 - Autumn Term - Contexts for Number: Place Value
Small Steps Skills

M4 and M5	Listens to numbers being counted - Follows counting sequence - Sees number of place settings for dinner and matches number of plates - handles household items when counting eg socks - introduced to numbers on household items eg telephone - counts to 3 with another person - places items in a line - recognises numerals one and two - copies numerals to three - points to a collection of something
M6 and M7	Prepares a plate with enough biscuits for everyone - Makes a drink for everyone in their group - Adds five spoonfuls of an ingredient to a cooking mix - joins in rote counting to 10 - counts up to 5 without objects - sequences numbers on the computer - points out numbers to 5 on everyday objects - matches numerals to quantities - can state who is first to do something - use the term 'first'
M8	Rote counts to 10 consistently - Counts up to 10 objects with some support - continues rote counting from a given point - estimates objects to 10 with reasonable accuracy - Knows which number is missing in a sequence to 10 - Recognises shoe size in numerals - Copies a phone number - Recognises clothes size in numerals - Recognises house number in numerals - Copies down numbers from electric/gas meter - Matches numerals to read bus numbers - Records quantities using numerals 1 - 5 - Uses ordinal numbers to fifth, including first and last - Inputs numerals 0 - 10 on a calculator
Entry Level 1	Counts reliably up to 10 items - Can read and write numbers up to 10 including zero in words and figures - Order and compare numbers up to 10 including zero in words and figures - Knows an empty box contains 0 - Reads and writes telephone number/bank card number/reference number in a catalogue - Presses the correct numerical code on a vending machine - Use ordinal numbers to describe position in a queue - Writes postcode
Entry Level 2	Counts reliably up to 100 items - Read, write, order and compare numbers up to 100 in words and figures - Finds missing numbers in number sequences to 100 - Counts from one given number to another up to 100 - Files by numerical order - Sorts post by house numerical order - Sorts numerals into odd and even numbers - Identifies tens and units with two digit numbers - Finds page in a book

Post 14 - Autumn Term - Measure, Shape and Space: Money
Small Steps Skills

M4 and M5	Handles coins when counting - Counts three items in shopping basket - Counts three coins in a wallet - Matches coins to coins - Makes pictures to real coins - Makes groups of coins with assistance - Sorts coins into groups
M6 and M7	Understands that coins and notes have value - Decides which things they will need to take when they go to the bank - Counts out three 1p coins correctly - Counts up to three £1 coins correctly - Recognises 1p, 2p, 5p 10p and 20p coins correctly - Keeps money safe in a wallet - Recognises £5.00 and £10.00 notes correctly - Counts to check if there is the same amount in each pile eg a pile of five 2p coins - Sorts money into piles
M 8	Makes 10p using ten 1p coins - Counts coins to check they have enough for their bus fare - Recognises all coins to £2 - Accepts assistance to pay for items in a shop - Selects the right change for a bus fare - Uses a vending machine with assistance
Entry Level 1	Sorts coins by denomination for banking - Finds a price on a simple price list - Identifies all coins - Identifies £5, £10 and £20 notes - Matches single coins to priced items Uses a single coin in a vending machine - Uses coin for supermarket trolley - Selects the correct coin for a locker - Recognises and selects any coin or note
Entry Level 2a	Calculates the difference in price up to 20p - Calculates change to 20p - Calculates total for two items to 20p - Counts coins of same denomination into bags for banking - Counts mixed coins to total to 20p - Makes the same amount in more than one way - Makes amounts of money in different ways up to 20p

Post 14 - Autumn Term - Measurement, Shape and Space: Shape
Small Steps Skills

M4 and M5	Handles different shapes - Lines up objects - Stacks objects - Builds tower of blocks with support - Rolls a cylinder Looks for objects that have been hidden - Follows falling objects as it disappears - Picks up and shakes objects - Squeezes a soft ball - Fills a container - Looks for objects which have been hidden - demonstrates an interest in the size of objects
M6 and M7	Matches 2D shapes - Handles a range of 3D objects - Copies a circle - Communicates about the properties of the geometric shape in hand - Joins dots to form shapes - Finds and groups shapes from description - Matches objects seen in a picture to their 3D counterpart - From a collection selects a circle/square/triangle/rectangle - Recognises and names 2D shapes including circle, square, triangle, rectangle - Recognises and selects 3D shapes using their familiar names (not geometric) including ball and box
M 8	Talks about straight and curved lines and corners - Describes everyday objects giving them 2 attributes eg the larger circle - Points out 2D and 3D shapes in everyday objects - Can pick out all the 2D or 3D shapes in a mix of 2D and 3D shapes - Finds some shapes in a picture - Copies shapes - Identifies shapes within objects - Uses shape to make patterns - Uses geometric construction materials - Makes a collection of 3D shapes - Demonstrates an understanding that 3D shapes can be represented in 2D formats
Entry Level 1	Identify and name 2D shapes square, circle, triangle, rectangle - Identifies and names 3D shapes cube, sphere, pyramid, prism, cylinder - Makes sets of items of different size and colour but of the same shape - Identifies the shape of items in the environment
Entry Level 2	Draws common 2D and 3D shapes - States properties of the following 2D shapes (sides, corners) - square, circle, triangle, rectangle and the following 3D shapes (sides, corners, faces, edges) - cube, sphere, pyramid, cylinder, prism

Post 14 - Autumn Term - Handling Data
Small Step Skills

M4 and M5	Anticipates, follows and joins in familiar activities when given contextual cues - Demonstrates awareness of cause and effect in familiar activities - Demonstrates an awareness of shape, size, quantity and position - With some inconsistencies, groups objects according to single given criterion including by shape or size - With some inconsistencies, makes simple sets which are equivalent such as stacking chairs into pairs - With some inconsistencies, make simple sets which are corresponding such as matching images to actual objects
M6 and M7	Identifies when an object is different in that it does not belong in a given category - With support, copies simple patterns including those involving numbers, shapes, symbols, signs and colours - With support, follow and repeat simple sequences of up to three steps - Create numerically ordered lists of up to three items - With some inconsistencies, group objects into sets using a single given criterion when working with up to five objects - Identify objects and materials by a single given criterion when the difference is marked - Identify the odd one out in a familiar collection, using a single given criterion - Solve problems involving numbers up to 3
M8	Recognise, describe and create lists of up to five items that are ordered numerically, alphabetically, by pattern or sequence - Sort objects by a single criterion including outline shape, size, weight, quantity, colour, function from collections of up to five objects - Use simple representations or diagrams for counting numbers up to ten such as a number line - Solve given problems involving numbers up to five - Estimate and check by counting numbers up to 5
Entry Level 1	Extract simple information from lists - Sort and classify objects using a single criterion and make a simple list - Construct simple representations or diagrams using knowledge of numbers, measures or shape and space
Entry Level 2a	Extracts information from lists - Extracts information and make numerical comparisons from bar charts - Sorts and classifies objects using 2 criteria - Names two different ways of collecting information - Conduct a survey - Produce a table giving results of a survey

Post 14 - Autumn Term - Measure, Shape and Space: Length, Width and Height
Small Step Skills

M4 and M5	Sees who is tallest - Work out which tower has the most blocks - From a collection can point to the biggest/ smallest - Identifies the larger/ smaller of two objects - Gives the biggest/ smallest/ shortest/ longest on request - Assisted to use a ruler - Uses terms to describe objects: big/ small/ long/ short - On request, uses simple vocabulary including big/ small/ long/ short - Describes a single attribute of an object including size/ length
M6 and M7	Points to big and little when asked - Points to smallest/ largest/ smaller/ larger - Orders 3 objects by size - Orders rods by length - Finds two objects that are the same length - Finds the biggest/ smallest from a collection of 5 or more - With support, makes statements about size/ weight - Identifies large and small items from a collection of 5 to 10 objects
M8	Describes and compares differences in size between two items where the difference is marked, using simple comparative vocabulary - Describe and compare lengths and heights of two items where the difference is marked - Orders objects using the terms: larger/ bigger/ smaller/ longer/ shorter/ taller
Entry Level 1	Identifies that the term 'length' refers to how long something is - Understands and uses: long/ short/ wide/ narrow/ tall/ high - Matches items according to size criteria - Orders items according to length - Compares heights - Checks if a book will fit on a shelf - Describes size, length, width and height and uses direct comparisons for length, width and height of items
Entry Level 2	Knows metres and centimetres are used to measure length - Knows m and cm are the abbreviated form of metres and centimetres - Knows 1 metre = 100 centimetres - Identifies approximate size of a cm and a metre - Decides to measure an item in cm or m by looking at the size of the item - Uses a ruler to measure lines to the nearest cm - Uses a ruler to draw lines to the nearest cm - Measures a room to the nearest m

Post 14 - Autumn Term - Measure, Shape and Space: Weight
Small Step Skills

M4 and M5	Works out which object is heaviest by holding - Assisted to use measuring equipment - Holds two different weighted items - Describes a single attribute of an object according to weight
M6 and M7	Identifies which is the heaviest item - Identifies which is the lightest item - When comparing quantities of 5 objects can state which packet is heaviest - With support, can make statements about weight - From a choice of 5 can find a lighter package/heavier package - Understands that a small item may be heavier than a large item - Identifies by testing, heavy and light items
M8	On request, chooses the heaviest item/lightest item - Describes an item as heavy/light - Realises that an item may be too heavy to carry - Describes and compares the weights of two items where the difference is marked using simple comparative vocabulary including heavy/ light/ heavier/ lighter
Entry Level 1	Identifies that the term 'weight' refers to how heavy something is - Understands and uses vocabulary heavy/light - Selects heaviest/lightest items - Finds 2 items of similar weight - Knows that some materials are heavier than others - Describes weight and uses direct comparisons for the weight of items
Entry Level 2a	Knows a kilogram is a unit of measurement to measure weight - Identified that kg = kilogram - Reads weight measurements given in grams and kilograms - Say if an item is more or less than kg - Uses a balance scale and a kg weight to weigh items - Weighs themselves to the nearest kg

Post 14 - Autumn Term - Measure, Shape and Space: Time
Small Step Skills

M4 and M5	Demonstrates an awareness of whether it is light or dark - Knows what to expect at breakfast time/ lunchtime/ dinner time/ bed time
M6 and M7	Has a diary to record their day - Has access to a timetable - Recognises days of the week - Rote chants days of the week - Gives the day an appropriate name - Discusses what they did before lunch - Discusses what they will do after lunch - Sequences three pictures of daily events - Recognises the names of significant times of the day
M8	Identifies some days of the week - Uses vocabulary for times of the day: morning/ afternoon/ meal time/ day/ night - Reads simple charts to find out day's schedule - Matches numerals on time cards to digital clock to check times - Sequences their day in pictures - Reads a simple time line of the day - Relates familiar events to the names of the days of the week - Names the significant times in the day
Entry Level 1	Uses time related vocabulary: morning/ afternoon/ evening/ o'clock/ time - Sequences events from their day - Relates times of the day to events - Names and sequences days of the week - Names and sequences the seasons of the year - Relates familiar events to times of the day, days of the week, seasons of the year
Entry Level 2a	Sequences months of the year - Recognises and uses the abbreviations for months - Matches numerical and written dates - Writes dates in numeric form - Marks dates in a diary/ calendar - Sequences dates - Files by order of receipt

Post 14 - Spring Term

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<u>Addition and Subtraction to 100:</u> Add or subtract numbers up to 100 or with 2 significant figures using a variety of strategies Identify when to add or subtract in practical problem solving Uses answers to make conclusions		<u>Money:</u> Identify the operation in money problems	<u>Weight, Capacity and Temperature:</u> Recognise and use common measuring instruments Recognise and use familiar weights Recognise common metric units for capacity Measure capacity of containers with liquids using scales to the nearest labelled division Order capacity of given liquids Know abbreviations for common metric units for capacities Know units for temperature Measure temperature to the nearest labelled division		<u>Time:</u> Tell the time using analogue and digital time in whole, half and quarter hours		<u>Money:</u> Develop skills in extracting relevant information in problems with money	<u>Handling Data:</u> Extract and use information in simple lists to draw conclusions Use information in simple lists to make recommendations	<u>Position:</u> Identify left and right, above and below, in front and behind		Consolidation

Post 14 - Spring Term - Contexts for Number: Addition and Subtraction
Small Step Skills

M4 and M5	Holds two objects at a time - Communicates 'gone' or 'all gone' - Uses objects with multiple parts - Follows counting sequence - Responds to 'give me some more..' - Asks for more of something - Selects another of the same item when asked - Makes groups of objects with assistance - Shows an interest in the concept of more - Indicates an awareness of the differences between quantities, where the difference is marked such as one, two and many
M6 and M7	Asks for another item to make a total of 5 - Plays games with a dice or dominoes - States which group has more - Starts to count a set of objects when asked 'how many?' - Adds an object to the group and counts how many now - Removes an object from a group and counts how many left - Compares groups of objects up to 3 using term: smaller/ larger/ fewer/ greater - Understands that + means add/ - means take away/ = means equal to - Recognises the symbols on a calculator or keyboard - Adds single digit numbers reliably to three - Subtracts single digit numbers reliably to three
M8	Adds one more or removes one from a group and counts how many to 10 - Uses + , - or = to input information on a calculator - Adds single digit numbers reliably to 5, and with support to 10 - Subtracts single digit numbers reliably to 5 and with some support to 10
Entry Level 1	Reads and writes +, - and = - Uses the vocabulary add/ take away/ subtract/ makes/ equals/ same as - Knows addition means combining two groups - Take objects away from a group when asked to subtract - Knows number bonds to 10 - Says how many people there are when sitting at two different tables - works out how many cars will be left if some leave - Adds and subtracts single digit numbers with totals to 10 - Solves problems with and without a calculator and interpret +, -, = in practical situations
Entry Level 2	Recalls number facts to 10 - Partitions numbers for addition - Aligns numbers for column addition - Calculates change to £1 - Calculates total for 2 items to £1 - Adds scores during a game - Adds and subtracts two digit whole numbers - Recalls addition and subtraction facts to 10

Post 14 - Spring Term - Measure, Shape and Space: Money
Small Steps Skills

M4 and M5	Handles coins when counting - Counts three items in shopping basket - Counts three coins in a wallet - Matches coins to coins - Makes pictures to real coins - Makes groups of coins with assistance - Sorts coins into groups
M6 and M7	Understands that coins and notes have value - Decides which things they will need to take when they go to the bank - Counts out three 1p coins correctly - Counts up to three £1 coins correctly - Recognises 1p, 2p, 5p 10p and 20p coins correctly - Keeps money safe in a wallet - Recognises £5.00 and £10.00 notes correctly - Counts to check if there is the same amount in each pile eg a pile of five 2p coins - Sorts money into piles
M 8	Makes 10p using ten 1p coins - Counts coins to check they have enough for their bus fare - Recognises all coins to £2 - Accepts assistance to pay for items in a shop - Selects the right change for a bus fare - Uses a vending machine with assistance
Entry Level 1	Sorts coins by denomination for banking - Finds a price on a simple price list - Identifies all coins - Identifies £5, £10 and £20 notes - Matches single coins to priced items Uses a single coin in a vending machine - Uses coin for supermarket trolley - Selects the correct coin for a locker - Recognises and selects any coin or note
Entry Level 2a	Calculates the difference in price up to 20p - Calculates change to 20p - Calculates total for two items to 20p - Counts coins of same denomination into bags for banking - Counts mixed coins to total to 20p - Makes the same amount in more than one way - Makes amounts of money in different ways up to 20p
Entry Level 2b	Calculates the difference in price up to 50p - Calculates change to 50p - Calculates total for two items to 50p - Counts coins of same denomination into bags for banking - Counts mixed coins to total to 50p - Makes the same amount in more than one way - Makes amounts of money in different ways up to 50p

Post 14 – Spring Term – Measure, Shape and Space: Weight, Capacity and Temperature
Small Steps Skills

M4 and M5	Works out which object is heaviest, which cup is warmest, which vehicle holds the most people - Feels the temperature of liquids and food - Pours water from one container to another - Identifies the larger/ smaller of two objects where there is a marked difference - Assisted to use measuring equipment - Holds two different weighted items - Describes a single attribute of an object according to weight
M6 and M7	Identifies which is the heaviest item - Identifies which is the lightest item - Identifies which container has more/ less liquid - When comparing quantities of 5 objects can state which packet is heaviest - With support, can make statements about weight and capacity of objects - From a choice of 5 can find a lighter package/heavier package - Understands that a small item may be heavier than a large item - Identifies by testing, heavy and light items - Identifies the capacity of containers in use, using simple vocabulary including full/ empty/ some gone/ some in - Understands the difference between measure of weight and measures of volume when using 3D objects - Understands and uses simple words, signs and symbols that describe quantity, including more and less
M8	On request, chooses the heaviest item/lightest item - Describes an item as heavy/light - Realises that an item may be too heavy to carry - Describes and compares the weights and capacities of two items where the difference is marked using simple comparative vocabulary including heavy/ light/ heavier/ lighter/ full/ empty/ holds more than/ holds less than - Fills kettle to appropriate level - Compares volume of containers to find out which holds more/ less - Finds the full/ empty container
Entry Level 1	Identifies that the term 'weight' refers to how heavy something is - Understands and uses vocabulary heavy/light - Selects heaviest/lightest items - Finds 2 items of similar weight - Knows that some materials are heavier than others - Describes weight and capacity and uses direct comparisons for the weight and capacity of items
Entry Level 2a	Knows a kilogram is a unit of measurement to measure weight - Identified that kg = kilogram - Reads weight measurements given in grams and kilograms - Say if an item is more or less than kg - Uses a balance scale and a kg weight to weigh items - Weighs themselves to the nearest kg
Entry 2b	Knows that a litre is a unit of measurement to measure capacity - Identifies that l = litre - Knows we measure in litres - Reads measurements in litres on containers, bottles, jars, jugs, tins - Identifies that temperature is used for measuring how hot or cold things are - Identifies that degree Celsius is the UK unit to measure temperature - Finds and reads temperatures in a weather forecast - Compares temperatures in different countries - Reads external thermometer - Reads a fridge thermometer

Post 14 - Spring Term - Measure, Shape and Space: Time
Small Steps Skills

M4 and M5	Demonstrates an awareness of whether it is light or dark - Knows what to expect at breakfast time/ lunchtime/ dinner time/ bed time
M6 and M7	Has a diary to record their day - Has access to a timetable - Recognises days of the week - Rote chants days of the week - Gives the day an appropriate name - Discusses what they did before lunch - Discusses what they will do after lunch - Sequences three pictures of daily events - Recognises the names of significant times of the day
M8	Identifies some days of the week - Uses vocabulary for times of the day: morning/ afternoon/ meal time/ day/ night - Reads simple charts to find out day's schedule - Matches numerals on time cards to digital clock to check times - Sequences their day in pictures - Reads a simple time line of the day - Relates familiar events to the names of the days of the week - Names the significant times in the day
Entry Level 1	Uses time related vocabulary: morning/ afternoon/ evening/ o'clock/ time - Sequences events from their day - Relates times of the day to events - Names and sequences days of the week - Names and sequences the seasons of the year - Relates familiar events to times of the day, days of the week, seasons of the year
Entry Level 2a	Sequences months of the year - Recognises and uses the abbreviations for months - Matches numerical and written dates - Writes dates in numeric form - Marks dates in a diary/ calendar - Sequences dates - Files by order of receipt
Entry Level 2b	States how it will be before a given date - Writes numbers on an analogue clock - Reads Roman/other marks on an analogue clock face using position - Knows the short hand shows the hour and the long hand the minutes - Reads the hour on an analogue clock - Reads the half hours on an analogue - Reads $\frac{1}{4}$ hours on analogue clock

Post 14 - Spring Term - Measure, Shape and Space: Money
Small Steps Skills

M4 and M5	Handles coins when counting - Counts three items in shopping basket - Counts three coins in a wallet - Matches coins to coins - Makes pictures to real coins - Makes groups of coins with assistance - Sorts coins into groups
M6 and M7	Understands that coins and notes have value - Decides which things they will need to take when they go to the bank - Counts out three 1p coins correctly - Counts up to three £1 coins correctly - Recognises 1p, 2p, 5p 10p and 20p coins correctly - Keeps money safe in a wallet - Recognises £5.00 and £10.00 notes correctly - Counts to check if there is the same amount in each pile eg a pile of five 2p coins - Sorts money into piles
M8	Makes 10p using ten 1p coins - Counts coins to check they have enough for their bus fare - Recognises all coins to £2 - Accepts assistance to pay for items in a shop - Selects the right change for a bus fare - Uses a vending machine with assistance
Entry Level 1	Sorts coins by denomination for banking - Finds a price on a simple price list - Identifies all coins - Identifies £5, £10 and £20 notes - Matches single coins to priced items Uses a single coin in a vending machine - Uses coin for supermarket trolley - Selects the correct coin for a locker - Recognises and selects any coin or note
Entry Level 2a	Calculates the difference in price up to 20p - Calculates change to 20p - Calculates total for two items to 20p - Counts coins of same denomination into bags for banking - Counts mixed coins to total to 20p - Makes the same amount in more than one way - Makes amounts of money in different ways up to 20p
Entry Level 2b	Calculates the difference in price up to 50p - Calculates change to 50p - Calculates total for two items to 50p - Counts coins of same denomination into bags for banking - Counts mixed coins to total to 50p - Makes the same amount in more than one way - Makes amounts of money in different ways up to 50p
Entry Level 2c	Calculates the difference in price up to £1 - Calculates change to £1 - Calculates total for two items to £1 - Counts coins of same denomination into bags for banking - Counts mixed coins to total to £1 - Makes the same amount in more than one way - Makes amounts of money in different ways up to £1

Post 14 - Spring Term - Handling Data
Small Steps Skills

M4 and M5	Anticipates, follows and joins in familiar activities when given contextual cues - demonstrates awareness of cause and effect in familiar activities - Demonstrates an awareness of shape, size, quantity and position - With some inconsistencies, groups objects according to single given criterion including by shape or size - With some inconsistencies, makes simple sets which are equivalent such as stacking chairs into pairs - With some inconsistencies, make simple sets which are corresponding such as matching images to actual objects
M6 and M7	Identifies when an object is different in that it does not belong in a given category - With support, copies simple patterns including those involving numbers, shapes, symbols, signs and colours - With support, follow and repeat simple sequences of up to three steps - Create numerically ordered lists of up to three items - With some inconsistencies, group objects into sets using a single given criterion when working with up to five objects - Identify objects and materials by a single given criterion when the difference is marked - Identify the odd one out in a familiar collection, using a single given criterion - Solve problems involving numbers up to 3
M8	Recognise, describe and create lists of up to five items that are ordered numerically, alphabetically, by pattern or sequence - Sort objects by a single criterion including outline shape, size, weight, quantity, colour, function from collections of up to five objects - Use simple representations or diagrams for counting numbers up to ten such as a number line - Solve given problems involving numbers up to five - estimate and check by counting numbers up to 5
Entry Level 1	Extract simple information from lists - Sort and classify objects using a single criterion and make a simple list - Construct simple representations or diagrams using knowledge of numbers, measures or shape and space
Entry Level 2a	Extracts information from lists - Extracts information and make numerical comparisons from bar charts - Sorts and classifies objects using 2 criteria - Names two different ways of collecting information - Conduct a survey - Produce a table giving results of a survey
Entry Level 2b	Collects simple numerical information - Extracts information from tables - Finds information on a conversion table eg for oven temperatures - Find prices from a takeaway menu - Writes a task list for the day - Explains what a survey is and why it might be useful - Suggests the criteria used to form groups of objects

Post 14 - Spring Term - Measure, Shape and Space: Position
Small Steps Skills

M4 and M5	Lines up and stacks objects - Puts objects away in their correct place - Demonstrates an interest in position and the relationship between objects - Intentionally searches for objects in their usual position - Places objects in/out when asked
M6 and M7	Searches for objects not found in their usual place, demonstrating an understanding of object permanence - Places objects on/ under/ off/ next to/ bottom/ on top when asked - Demonstrates an understanding of simple words, signs, symbols that describe position including on/ in/ out - Understands movement terms: stop/ go/ up/ down/ fast/ slow - Moves self forwards/ backwards/ up/ down - Follows simple directions eg put the book on the shelf
M8	Describes simply how to get from one room to another - Finds equipment by instruction eg the pan in the top cupboard - On request will move inside/ outside - can describe their position in a queue: next to/ in front of/ behind - Describes the movement of an object using the terms; forwards/ backwards/ quickly/ slowly/ up/ down
Entry Level 1	Locates items easily when given positional directions - Describes the location of an item using positional vocabulary - Uses positional vocabulary: near/ behind/ in front of/ between/ next to/ inside/ on top
Entry Level 2a	Uses the terms right and left - Gives simple directions for a route on a map

Post 14 - Summer Term

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<u>Multiplication and Division:</u> Find twice the value of numbers with 2 significant figures using a variety of strategies Find half the value of numbers with 2 significant figures using a variety of strategies		<u>Money:</u> Use numbers with 2 significant figures in practical problems Identify the operation in practical problems requiring calculation with money or whole numbers Develop skills in extracting relevant information in problems with money		<u>Measures:</u> Estimate and measure lengths, widths and heights using metric units Know abbreviations for common metric units Estimating weight, capacity and temperature	<u>Handling Data:</u> Draw tally marks Represent information using tally marks Use tally marks to draw conclusions	<u>Time:</u> Read time in words and figures in whole, half and quarter hours Use times to plan schedules		<u>Position:</u> Describe position Follow directions including directional language such as left, right, in front, behind		<u>Money:</u> Recognise and use money	Consolidation

Post 14 - Summer Term - Contexts for Numbers: Multiplication and Division
Small Steps Skills

M4 and M5	Holds two objects at a time - Communicates 'gone' or 'all gone' - Uses objects with multiple parts - Follows counting sequence - Responds to 'give me some more..' - Asks for more of something - Selects another of the same item when asked - Makes groups of objects with assistance - Shows an interest in the concept of more - Indicates an awareness of the differences between quantities, where the difference is marked such as one, two and many - Assisted to count parts of a whole item eg wheels on a car, legs on a cat - Selects objects for a familiar activity eg cutlery for a meal - Makes groups of objects with assistance
M6 and M7	Asks for another item to make a total of 5 - Plays games with a dice or dominoes - States which group has more - Starts to count a set of objects when asked 'how many?' - Adds an object to the group and counts how many now - Removes an object from a group and counts how many left - Compares groups of objects up to 3 using term: smaller/ larger/ fewer/ greater - Understands that + means add/ - means take away/ = means equal to - Recognises the symbols on a calculator or keyboard - Adds single digit numbers reliably to three - Subtracts single digit numbers reliably to three - Sets a table with plates and cutlery - Puts three items on a plate for each person in the group eg potatoes
M8	Adds one more or removes one from a group and counts how many to 10 - Uses + , - or = to input information on a calculator - Adds single digit numbers reliably to 5, and with support to 10 - Subtracts single digit numbers reliably to 5 and with some support to 10 - Relates numbers to collections of objects - Uses ordinal numbers from first to fifth
Entry Level 1	Reads and writes +, - and = - Uses the vocabulary add/ take away/ subtract/ makes/ equals/ same as - Knows addition means combining two groups - Take objects away from a group when asked to subtract - Knows number bonds to 10 - Says how many people there are when sitting at two different tables - works out how many cars will be left if some leave - Adds and subtracts single digit numbers with totals to 10 - Solves problems with and without a calculator and interpret +, -, = in practical situations - Solve numerical pattern problems - Knows an empty box contains zero
Entry Level 2	Recalls number facts to 10 - Partitions numbers for addition - Aligns numbers for column addition - Calculates change to £1 - Calculates total for 2 items to £1 - Adds scores during a game - Adds and subtracts two digit whole numbers - Recalls addition and subtraction facts to 10 - Counts in twos to 100 - Counts in tens from 0 to 100 - Understands multiplication as repeated addition - Uses a multiplication square - Doubles numbers - Halves numbers - Identifies and uses x and ÷ signs - Multiplies single digit numbers - Solves problems with a calculator in practical situations - Use estimation and check if solutions are sensible

Post 14 - Summer Term - Measure, Shape and Space: Money
Small Steps Skills

M4 and M5	Handles coins when counting - Counts three items in shopping basket - Counts three coins in a wallet - Matches coins to coins - Makes pictures to real coins - Makes groups of coins with assistance - Sorts coins into groups
M6 and M7	Understands that coins and notes have value - Decides which things they will need to take when they go to the bank - Counts out three 1p coins correctly - Counts up to three £1 coins correctly - Recognises 1p, 2p, 5p 10p and 20p coins correctly - Keeps money safe in a wallet - Recognises £5.00 and £10.00 notes correctly - Counts to check if there is the same amount in each pile eg a pile of five 2p coins - Sorts money into piles
M8 8	Makes 10p using ten 1p coins - Counts coins to check they have enough for their bus fare - Recognises all coins to £2 - Accepts assistance to pay for items in a shop - Selects the right change for a bus fare - Uses a vending machine with assistance
Entry Level 1 1	Sorts coins by denomination for banking - Finds a price on a simple price list - Identifies all coins - Identifies £5, £10 and £20 notes - Matches single coins to priced items Uses a single coin in a vending machine - Uses coin for supermarket trolley - Selects the correct coin for a locker - Recognises and selects any coin or note
Entry Level 2a	Calculates the difference in price up to 20p - Calculates change to 20p - Calculates total for two items to 20p - Counts coins of same denomination into bags for banking - Counts mixed coins to total to 20p - Makes the same amount in more than one way - Makes amounts of money in different ways up to 20p
Entry Level 2b	Calculates the difference in price up to 50p - Calculates change to 50p - Calculates total for two items to 50p - Counts coins of same denomination into bags for banking - Counts mixed coins to total to 50p - Makes the same amount in more than one way - Makes amounts of money in different ways up to 50p
Entry Level 2c	Calculates the difference in price up to £1 - Calculates change to £1 - Calculates total for two items to £1 - Counts coins of same denomination into bags for banking - Counts mixed coins to total to £1 - Makes the same amount in more than one way - Makes amounts of money in different ways up to £1
Entry Level 2d	Pay fare on public transport - Calculates total for 3 items to £1

Post 14 – Summer Term – Measure, Shape and Space: Measures
Small Steps Skills

M4 and M5	Works out which object is heaviest, which cup is warmest, which vehicle holds the most people - Feels the temperature of liquids and food - Pours water from one container to another - Identifies the larger/ smaller of two objects where there is a marked difference - Assisted to use measuring equipment - Holds two different weighted items - Describes a single attribute of an object according to weight
M6 and M7	Identifies which is the heaviest item - Identifies which is the lightest item - Identifies which container has more/ less liquid - When comparing quantities of 5 objects can state which packet is heaviest - With support, can make statements about weight and capacity of objects - From a choice of 5 can find a lighter package/heavier package - Understands that a small item may be heavier than a large item - Identifies by testing, heavy and light items - Identifies the capacity of containers in use, using simple vocabulary including full/ empty/ some gone/ some in - Understands the difference between measure of weight and measures of volume when using 3D objects - Understands and uses simple words, signs and symbols that describe quantity, including more and less
M8 8	On request, chooses the heaviest item/lightest item - Describes an item as heavy/light - Realises that an item may be too heavy to carry - Describes and compares the weights and capacities of two items where the difference is marked using simple comparative vocabulary including heavy/ light/ heavier/ lighter/ full/ empty/ holds more than/ holds less than - Fills kettle to appropriate level - Compares volume of containers to find out which holds more/ less - Finds the full/ empty container
Entry Level 1 1	Identifies that the term 'weight' refers to how heavy something is - Understands and uses vocabulary heavy/light - Selects heaviest/lightest items - Finds 2 items of similar weight - Knows that some materials are heavier than others - Describes weight and capacity and uses direct comparisons for the weight and capacity of items
Entry Level 2a	Knows a kilogram is a unit of measurement to measure weight - Identified that kg = kilogram - Reads weight measurements given in grams and kilograms - Say if an item is more or less than kg - Uses a balance scale and a kg weight to weigh items - Weighs themselves to the nearest kg
Entry Level 2b	Knows that a litre is a unit of measurement to measure capacity - Identifies that l = litre - Knows we measure in litres - Reads measurements in litres on containers, bottles, jars, jugs, tins - Identifies that temperature is used for measuring how hot or cold things are - Identifies that degree Celsius is the UK unit to measure temperature - Finds and reads temperatures in a weather forecast - Compares temperatures in different countries - Reads external thermometer - Reads a fridge thermometer
Entry Level 2c	Know there are different forms of scale for measuring different things - Identifies the unit of measurement on different scales

Post 14 – Summer Term – Handling Data
Small Steps Skills

M4 and M5	Anticipates, follows and joins in familiar activities when given contextual cues – demonstrates awareness of cause and effect in familiar activities – Demonstrates an awareness of shape, size, quantity and position – With some inconsistencies, groups objects according to single given criterion including by shape or size – With some inconsistencies, makes simple sets which are equivalent such as stacking chairs into pairs – With some inconsistencies, make simple sets which are corresponding such as matching images to actual objects
M6 and M7	Identifies when an object is different in that it does not belong in a given category – With support, copies simple patterns including those involving numbers, shapes, symbols, signs and colours – With support, follow and repeat simple sequences of up to three steps – Create numerically ordered lists of up to three items – With some inconsistencies, group objects into sets using a single given criterion when working with up to five objects – Identify objects and materials by a single given criterion when the difference is marked – Identify the odd one out in a familiar collection, using a single given criterion – Solve problems involving numbers up to 3
M8 8	Recognise, describe and create lists of up to five items that are ordered numerically, alphabetically, by pattern or sequence – Sort objects by a single criterion including outline shape, size, weight, quantity, colour, function from collections of up to five objects – Use simple representations or diagrams for counting numbers up to ten such as a number line – Solve given problems involving numbers up to five – estimate and check by counting numbers up to 5
Entry Level 1 1	Extract simple information from lists – Sort and classify objects using a single criterion and make a simple list – Construct simple representations or diagrams using knowledge of numbers, measures or shape and space
Entry Level 2a	Extracts information from lists – Extracts information and make numerical comparisons from bar charts – Sorts and classifies objects using 2 criteria – Names two different ways of collecting information – Conduct a survey – Produce a table giving results of a survey
Entry Level 2b	Collects simple numerical information – Extracts information from tables – Finds information on a conversion table eg for oven temperatures – Find prices from a takeaway menu – Writes a task list for the day – Explains what a survey is and why it might be useful – Suggests the criteria used to form groups of objects
Entry Level 2c	Represents information so that it makes sense to others – Extracts information from simple diagrams and bar charts – Enters information on a simple spreadsheet

Post 14 - Summer Term - Measure, Shape and Space: Time
Small Steps Skills

M4 and M5	Demonstrates an awareness of whether it is light or dark - Knows what to expect at breakfast time/ lunchtime/ dinner time/ bed time
M6 and M7	Has a diary to record their day - Has access to a timetable - Recognises days of the week - Rote chants days of the week - Gives the day an appropriate name - Discusses what they did before lunch - Discusses what they will do after lunch - Sequences three pictures of daily events - Recognises the names of significant times of the day
M8 8	Identifies some days of the week - Uses vocabulary for times of the day: morning/ afternoon/ meal time/ day/ night - Reads simple charts to find out day's schedule - Matches numerals on time cards to digital clock to check times - Sequences their day in pictures - Reads a simple time line of the day - Relates familiar events to the names of the days of the week - Names the significant times in the day
Entry Level 1 1	Uses time related vocabulary: morning/ afternoon/ evening/ o'clock/ time - Sequences events from their day - Relates times of the day to events - Names and sequences days of the week - Names and sequences the seasons of the year - Relates familiar events to times of the day, days of the week, seasons of the year
Entry Level 2a	Sequences months of the year - Recognises and uses the abbreviations for months - Matches numerical and written dates - Writes dates in numeric form - Marks dates in a diary/ calendar - Sequences dates - Files by order of receipt
Entry Level 2b	States how it will be before a given date - Writes numbers on an analogue clock - Reads Roman/other marks on an analogue clock face using position - Knows the short hand shows the hour and the long hand the minutes - Reads the hour on an analogue clock - Reads the half hours on an analogue - Reads $\frac{1}{4}$ hours on analogue clock
Entry Level 2c	Reads the hour on a digital clock - Knows 30 on a digital clock is half past - Knows 15 on a digital clock is quarter past - Knows 45 on a digital clock is quarter to - Sequences digital times in chronological order - Sets a digital alarm to the hour - Matches times in written form to times in numeric form

Post 14 - Summer Term - Measure, Shape and Space: Position
Small Steps Skills

M4 and M5	Lines up and stacks objects - Puts objects away in their correct place - Demonstrates an interest in position and the relationship between objects - Intentionally searches for objects in their usual position - Places objects in/out when asked
M6 and M7	Searches for objects not found in their usual place, demonstrating an understanding of object permanence - Places objects on/ under/ off/ next to/ bottom/ on top when asked - Demonstrates an understanding of simple words, signs, symbols that describe position including on/ in/ out - Understands movement terms: stop/ go/ up/ down/ fast/ slow - Moves self forwards/ backwards/ up/ down - Follows simple directions eg put the book on the shelf
M8 8	Describes simply how to get from one room to another - Finds equipment by instruction eg the pan in the top cupboard - On request will move inside/ outside - can describe their position in a queue: next to/ in front of/ behind - Describes the movement of an object using the terms; forwards/ backwards/ quickly/ slowly/ up/ down
Entry Level 1 1	Locates items easily when given positional directions - Describes the location of an item using positional vocabulary - Uses positional vocabulary: near/ behind/ in front of/ between/ next to/ inside/ on top
Entry Level 2a	Uses the terms right and left - Gives simple directions for a route on a map
Entry Level 2b	Follows simple directions for a route

Post 14 - Summer Term - Measure, Shape and Space: Money
Small Steps Skills

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Entry Level 2b	Calculates the difference in price up to 50p - Calculates change to 50p - Calculates total for two items to 50p - Counts coins of same denomination into bags for banking - Counts mixed coins to total to 50p - Makes the same amount in more than one way - Makes amounts of money in different ways up to 50p
Entry Level 2c	Calculates the difference in price up to £1 - Calculates change to £1 - Calculates total for two items to £1 - Counts coins of same denomination into bags for banking - Counts mixed coins to total to £1 - Makes the same amount in more than one way - Makes amounts of money in different ways up to £1
Entry Level 2d	Pay fare on public transport - Calculates total for 3 items to £1
Entry Level 2e	Solve practical everyday problems using money - Use money confidently to shop for items needed