Chenies School Maths Overview Years: 1 & 2 Class: Monet

Autumn Term	Strand	Year 1 Objectives	Year 2 Objectives
Week 1	Number and place value (NPV); Problem solving, reasoning and algebra (PRA); Measurement (MEA) Mental multiplication and division (MMD)	Estimate and count reliably up to 20 objects; recognise and estimate numbers more and less than 10; order and compare numbers to 20 using a line; make 'teen' numbers by adding some more to 10	Place 2-digit numbers on a line; count in 10s from 1-digit and 2-digit numbers; estimate a quantity, then count in 10s; write place value additions for 2-digit numbers; perform place value additions and subtractions
Week 2	Number and place value (NPV); Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA)	Partition 5 and learn bonds to 5; add 1, 2, 3, 4 or 5 to 5 by counting on; add 1 or 2 to numbers to 6 by counting on; add by counting on	Know pairs to 10 and 20; use a symbol to represent a missing number; add and subtract 10s using Spider or coins
Week 3	Number and place value (NPV); Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA); Measurement (MEA)	Know how much each coin to 10p is worth; add 1p and 2p to coins up to 10p; find ways to pay amounts to 10p; tell the time to the hour and the half hour	Know how much each coin to £1 is worth; investigate amounts made using coins (use a system and make an ordered list); use coins to buy objects up to 20p and find change; read time on digital/analogue clocks to the nearest half hour and quarter hour
Week 4	Number and place value (NPV); Mental addition and subtraction (MAS); Geometry: properties of shapes (GPS); Geometry: position and direction (GPD); Measurement (MEA)	Estimate and measure length using a uniform unit; measure and estimate by comparing with a metre stick; understand and create symmetrical patterns; spot if a pattern/object is symmetrical	Measure using decimetre strips; measure using centimetres; understand there are 10cm in a decimetre; measure using rulers measured in centimetres and metres; identify left and right; give accurate directions; understand clockwise and anticlockwise turns and right angles as quarter turns
Week 5	Number and place value (NPV); Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA); Measurement (MEA)	Understand subtraction as 'take away'; begin to count back to subtract; see how subtraction 'undoes' addition; use pairs to 10 to find how many to the next 10; add and subtract 1 or 2; decide whether to add or subtract to solve a word problem	Use pairs to 10 to find the next 10 and how many to the next 10; find change from 20p' add and subtract 10, 11 and 20 in the context of money
Week 6	Assessment Week		
Week 7	Number and place value (NPV); Mental multiplication and division (MMD); Fractions, ratio and proportion (FRP)	Mark numbers on a 0 to 20 beaded line; count in 10s and begin to use multiplication; recognise odd and even numbers; find halves and quarters of shapes, including by folding	Count in 10s and 2s; spotting patterns; compare 2 numbers less than 20; count in 10s from 10; find halves and quarters of shapes, including by folding

Week 8	Number and place value (NPV); Mental multiplication and division (MMD); Measurement (MEA)	Find doubles to double 20; share numbers to 10 to find which are even/odd; find odd and even numbers on a 1–20 track; order days of the week and months of the year.	Find doubles to double 20 and related halve; find halves of even numbers using strips to help; add and subtract 10, 11, 20 and 21 using Spider
Week 9	Mental addition and subtraction (MAS); Geometry: properties of shapes (GPS); Geometry: position and direction (GPD)	Name and describe squares, rectangles, circles and triangles; use lists to sort objects; use a table to help sort objects	Describe, recognise, visualise and draw regular and irregular common 2D shapes; make and describe polygons; use Venn and Carroll diagrams to sort objects and shapes
Week 10	Number and place value (NPV); Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA)	Partition 10 into pairs and write the addition; find 1 more/ less and 2 more/less than any number up to 20, recording the hops on a beaded line; find 1 more/less than any 2-digit number	Rehearse addition and subtraction facts for 20; work out what missing number symbols stand for; add and subtract 1-digit numbers, not crossing 10s, using number facts and patterns; add/subtract a 1-digit to/from a 2-digit number by bridging multiples of 10 using knowledge of pairs to 10 and place value.
Week 11	Mental addition and subtraction (MAS)	Partition 6, 7 and 10 into pairs, recording the related addition sentences; add 2, 3 or 4 by counting on (addition can be done in any order)	Add/subtract 20, 30, 40, and 50 to/from 2-digit numbers, using the beaded line; add 11, 12, 13, 21, 22, 23, 31, 32, and 33; add/subtract 11 and 21
Week 12	Number and place value (NPV); Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA)	Count to 100; find 1 more and 1 less; use ordinal numbers in context; rehearse number bonds to 10	Add near multiples of 10 using a calculator and spot patterns; add near multiples of 10; revise adding 'ordinary' 2-digit numbers (mostly ending in 1, 2, or 3); add an ordinary or a nearly number and do the addition accordingly
Week 13	Assessment Week		
Week 14	Consolidation		

Spring Term	Strand	Year 1 Objectives	Year 2 Objectives
Week 1	Number and place value (NPV); Mental addition and subtraction (MAS); Mental multiplication and division (MMD)	Find 1 more/less than any 2-digit number; count in 10s from 10; count in 10s from any number; estimate a quantity; find 10 more/less than a 2-digit number	Compare numbers using < and >; identify properties of numbers; use ordinal numbers; round 2-digit numbers to nearest the multiple of 10
Week 2	Mental addition and subtraction (MAS); Mental	Compare numbers using < and >; identify properties of numbers; use ordinal numbers; round 2-digit numbers to nearest the multiple of 10	Rehearse number bonds to 8 and 9; find doubles to double 6; add three numbers;

	multiplication and division (MMD)		
Week 3	Number and place value (NPV); Mental addition and subtraction (MAS); Mental multiplication and division (MMD); Problem solving, reasoning and algebra (PRA); Measurement (MEA)	Know the value of each coin to £1; find totals of two and three coins to 10p; find all possibilities by making an ordered list; find 10 more/less than any 2-digit number	Add 2-digit numbers using a number grid; add 2-digit numbers crossing the 10s barrier; add/subtract 2-digit numbers
Week 4	Measurement (MEA); Number and place value (NPV); Mental addition and subtraction (MAS);	Compare weights using direct comparison; use non-standard units to measure weight; tell the time to the hour and the half hour	Measure weight using uniform non-standard units; know that weight can be measured in kg and g; compare objects with a 100g and a 1 kg weight; know how long 15, 30 and 60 seconds are; have a sense of the length of a minute
Week 5	Assessment		
Week 6	Consolidation		
Week 7	Number and place value (NPV); Mental multiplication and division (MMD); Problem solving, reasoning and algebra (PRA); Statistics (STA)	Learn to count in 2s; recognise odd/even numbers; sort numbers onto diagrams; double numbers up to 12; find half of numbers up to 24;	Recognise multiples of 2, 5 and 10; record multiplication facts for the 5 times table; begin to relate multiplication with division; understand grouping as one model of division; solve a word problem
Week 8	Number and place value (NPV); Mental multiplication and division (MMD); Fractions, ratio and proportion (FRP); Problem solving, reasoning and algebra (PRA)	Show a 2-digit number, combining groups of 10s and 1s; know what each digit means in a 2-digit number; compare two numbers less than 100; give a number between two neighbouring multiples of 10; investigate place value in 2-digit numbers	Compare two 2-digit numbers; round to the nearest 10; find 1/2, 1/4 and 1/3 of amounts
Week 9	Number and place value (NPV); Mental addition and subtraction (MAS); Measurement (MEA); Statistics (STA)	Measure objects and lengths of string in cubes; find a difference in lengths using cubes; find a difference in heights; investigate differences between towers of cubes.	Add 2-digit numbers using the 1–100 grid; add/subtract 2-digit numbers; find change from 50p; find change by counting up to find a difference
Week 10	Number and place value (NPV); Mental addition and subtraction (MAS); Measurement (MEA); Statistics (STA)	Find ways to pay up to 20p; find totals of 1-digit prices; add 10p and 20p to amounts of money; find change from 10p; find the difference	Subtract by finding the difference; use a landmarked line to find the difference; subtract by finding the difference; make 2-digit amounts using coins; add 2-digit money amounts

Week 11	Assessment		
Week 12	Consolidation		

Summer Term	Strand	Year 1 Objectives	Year 2 Objectives
Week 1	Number and place value (NPV); Mental addition and subtraction (MAS); Mental multiplication and division (MMD); Fractions, ratio and proportion (FRP)	Order 2-digit numbers; find a number between multiples of 10; find 10 more and 10 less; find halves and quarters of shapes and amounts	Count in 2s, 3s, 5s and 10s; count in fractions; find 1/2, 1/4 and 3/4 of amounts
Week 2	Mental addition and subtraction (MAS); Mental multiplication and division (MMD); Problem solving, reasoning and algebra (PRA);	Add 10 to a 2-digit number; add/subtract 11 to/from 2-digit numbers; subtract 10s; recap adding and subtracting 11	Double and halve by partitioning; add pairs of 2-digit numbers by partitioning; add by partitioning or counting on; subtract pairs of 2-digit numbers by counting back
Week 3	Number and place value (NPV); Mental addition and subtraction (MAS	Add to the next 10; add/subtract, bridging 10; sort calculations	Subtract by counting up or counting back
Week 4	Fractions, ratio and proportion (FRP); Geometry: properties of shapes (GPS); Measurement (MEA	Name and describe common 3D shapes and their faces; read the time to the half hour on analogue and digital clocks	Name 3D shapes and identify their properties; tell the time to the nearest quarter hour on analogue clocks
Week 5	Mental multiplication and division (MMD); Problem solving, reasoning and algebra (PRA)	Count in 2s, 5s and 10s (multiplication); multiply using a penny number line; divide by finding how many sets	Multiply and divide using beaded and landmarked lines; understand multiplication as the inverse of division; use landmarked lines to solve mystery multiplications and divisions
Week 6	Number and place value (NPV); Mental addition and subtraction (MAS)	Find totals to 10p or 20p; find totals using other number facts; find change by finding the difference/counting on; find differences	Place 2-digit numbers on a number line; round 2-digit numbers to the nearest 10; place 3-digit numbers on a beaded line; explore place value in 3-digit numbers; write place value additions
Week 7	Number and place value (NPV); Mental addition and subtraction (MAS); Mental	Use pairs to 10 to find the complement to the next multiple of 10; add 1-digit numbers to 2-digit numbers using patterns and number facts.	Add pairs of 2-digit numbers by partitioning or counting on; subtract by counting up, counting back or finding a

	multiplication and division (MMD); Problem solving, reasoning and algebra (PRA)		difference; solve problems involving addition and subtraction of pence (<£1)
Week 8	Mental multiplication and division (MMD); Geometry: properties of shapes (GPS); Geometry: position and direction (GPD); Measurement (MEA); Statistics (STA)	Recognise 3D shapes and describe their position; understand 1/4, 1/2 and 3/4 turns; know days of the week and months of the year; tell the time to the nearest half hour	Revise language relating to date (days of the week, months of the year); collect data to make a block graph; order times shown on a clock; tell the time to the nearest 5 minutes
Week 9	Number and place value (NPV); Mental multiplication and division (MMD); Problem solving, reasoning and algebra (PRA)	Double and halve numbers; multiply using 'sets of' and divide using 'how many sets?'; multiply and divide with money	Understand doubling and halving as inverses; multiply and divide using sets, beaded lines or landmarked lines; solve word problems using multiplication or division
Week 10	Number and place value (NPV); Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA); Measurement (MEA)	Add/subtract 1-digit numbers to/from 2-digit numbers using known facts; find totals of money; give change by finding the difference	Use coins to make 2-digit numbers; add two amounts of money totalling less than £1; find change by counting up to find a difference or by counting back; solve 1 and 2-step addition and subtraction money problems.
Week 11	Mental multiplication and division (MMD); Fractions, ratio and proportion (FRP); Problem solving, reasoning and algebra (PRA); Measurement (MEA); Statistics (STA)	Learn the months of the year; understand time, using the language of time; order times from earliest to latest; draw, read and understand block graphs and pictograms	Find halves and quarters of amounts; count in fractions; solve word problems using multiplication and division; tell the time using digital and analogue clocks
Week 12	Assessment		