Progression in Maths

Using WR small steps progression

Year One	Autumn Term 12 weeks	Spring Term 12 weeks	Summer Term 12 weeks
Place Value **3 weeks autumn** **2 weeks spring** **2 weeks summer**	**WR Unit PV to 10 and 20** Sort objects.• Count objects.• Represent objects. •Count, read and write forwards from any number 0 to 10. •Count, read and writing backwards from any number 0 to 10. •Count one more.• Count one less. •One to one correspondence to start to compare groups. •Compare groups using language such as equal, more/greater, less/fewer. •Introduce = , > and < symbols. •Compare numbers. •Order groups of objects. •Order numbers. •Ordinal numbers (1st, 2nd, 3rd ….). •The number line. Count forwards and backwards and write numbers to 20 in numerals and words. •Numbers from 11 to 20. •Tens and ones. •Count one more and one less. •Compare groups of objects. •Compare numbers. •Order groups of objects. •Order numbers.	**WR Unit PV to 50** Tens and ones. •Represent numbers to 50. •One more one less. •Compare objects within 50. •Compare numbers within 50. •Order numbers within 50. •Count in 2s. •Count in 5s.	**WR Unit PV to 100** Counting to 100. •Partitioning numbers. •Comparing numbers (1). •Comparing numbers (2). •Ordering numbers. •One more, one less.
Addition and Subtraction **4 weeks** **4 weeks** **3 weeks**	**WR Unit Addition and Subtraction to 10** Part whole model. •Addition symbol. •Fact families –Addition facts. •Find number bonds for numbers within 10. •Systematic methods for number bonds within 10. •Number bonds to 10. •Compare number bonds. •Addition: Adding together. •Addition: Adding more.•Finding a part. •Subtraction: Taking away, how many left? Crossing out. •Subtraction: Taking away, how many left? Introducing the subtraction symbol. •Subtraction: Finding a part, breaking apart. •Fact families –The 8 facts. •Subtraction: Counting back. •Subtraction: Finding the difference.	**WR Unit Addition and Subtraction Crossing 10** Find and make number bonds. •Subtraction –Not crossing 10. •Subtraction –Crossing 10 (1). •Subtraction –Crossing 10 (2). •Related Facts.	**Addition and Subtraction Fluency and number bonds** Know number bonds to 10 and within 10 off by heart Know doubles to 10 off by heart. Comparing number bonds: Comparing addition and subtraction statements a + b > c. Comparing addition and subtraction statements a + b > c + d. Add by making 10.

Multiplication and Division **1 week each term**	**WR Unit Multiplication & Division** Count in 10s. •Make equal groups. •Add equal groups.	**WR Unit Multiplication & Division** Make arrays. •Make doubles.	**WR Unit Multiplication & Division** •Make equal groups –grouping. •**Make equal groups –sharing**
Fractions **1 week each term**	**WR Unit Fractions** Halving shapes or objects. •Find a quarter of a shape or object.	**WR Unit Fractions** •Halving a quantity. •Find a quarter of a quantity.	**Fractions** Recognise, find and name a half as 1 of 2 equal parts of an object, shape or quantity. Find half of quantities to 10
Money **1 week each term**	**WR Unit Money** Recognising coins. Recognising notes. Counting in coins.	**Money** Make the same amount up to 10p using different coins.	**Money** Make the same amount up to 20p using different coins.
Geometry **3 days each term**	**WR Unit Geometry** Recognise and name 3D shapes. •Sort 3D shapes. •Recognise and name 2D shapes. •Sort 2D shapes. •Patterns with 3D and 2D shapes.	**WR Unit Geometry (Link to Computing and Geography)** Describe turns. •Describe Position (1). •Describe Position (2).	**Geometry** Geometry project to apply knowledge of 2D and 3D shapes and position and direction.
Measurement **1 week each term**	**WR Unit Length and Height Time** Measure length (1). •Measure length (2). Tell o'clock times Language of time, days of the week, months and seasons	**WR Unit Weight and Volume Time** Introduce weight and mass. •Measure mass. •Compare mass. •Introduce capacity. •Measure capacity. •Compare capacity. Tell o'clock times	**WR Unit Mass and Volume Time** Compare mass. •Measure mass in grams. •Measure mass in kilograms. •Compare capacity. •Millilitres. •Litres. •Temperature. Tell o'clock times and half past

Year Two	Autumn Term 13 weeks	Spring Term 12 weeks	Summer Term 12 weeks
Place Value 2 weeks 2 weeks 1 week	**WR Unit PV to100** 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. Read and match numerals in words up to 50	**PV to 100** Read and match numerals in words up to 100 Find different ways to partition into ten and ones. 56=50+6, 40 +16, 30+26 etc Use knowledge of PV to say 10 more/ less than any given number.	**PV to 100** Using knowledge of place value to add ones, tens, 20's, 100 to numbers. Introduce HTU
Addition and Subtraction 4 weeks 3 weeks 3 weeks	**WR Unit addition and subtraction —not crossing 10** Fact families –Addition and subtraction bonds to 20. •Check calculations. •Compare number sentences. •Related facts. •Bonds to 100 (tens). •Add and subtract 1s. •10 more and 10 less. •Add and subtract 10s. •Add two 2-digit numbers –not crossing ten –add ones and add tens. •Subtract a 2-digit number from a 2-digit number –not crossing ten. •Bonds to 100 (tens and ones). •Add three 1-digit numbers. Recognise and use the inverse relationship between addition and subtraction.	**Addition and subtraction –crossing 10** Add a 2-digit and 1-digit number –crossing ten. •Subtract a 1-digit number from a 2-digit number –crossing 10. Add two 2-digit numbers –crossing ten –add ones and add tens. Subtract a 2-digit number from a 2-digit number –crossing ten – subtract ones and tens. Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems	**Addition and subtraction –crossing 10** Addition strategies for mental calculation. +9 and +11, -9 and -11 Ways to solve missing number problems Add a 2-digit and 1-digit number –crossing ten. •Subtract a 1-digit number from a 2-digit number – crossing 10. Add two 2-digit numbers –crossing ten –add ones and add tens. Subtract a 2-digit number from a 2-digit number –crossing ten – subtract ones and tens. with more independence.
Multiplication and Division 3 weeks 2 weeks 2 weeks	**WR Unit 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.	**WR Unit multiplication and division** Make equal groups –grouping. •Divide by 2. •Odd and even numbers. •Divide by 5. •Divide by 10.	**Multiplication and division** Use multiplication to solve one step and 2 step problems. Know about the commutative properties of multiplication Know that division is the inverse of multiplication.
Fractions 1 week	**Fractions** Recognise half. •Find half. •Recognise quarter. •Find a quarter.	**WR Unit Fractions** •Recognise a third. •Find a third. •Unit fractions. •Non0unit fractions. •Equivalence of ½ and $^{2}/_{4}$.	**Fractions** Find three quarters. •Count in fractions

Money **1 week**	**WR unit Money** Count money –pence. •Count money –pounds (notes and coins). •Count money –notes and coins. •Select money.	**WR unit Money** Make the same amount. •Compare money. •Find the total.	**WR unit Money** Find the difference. •Find change. •Two-step problems
Geometry **1 week**	**WR unit Properties of shape** Recognise 2D and 3D shapes. ·Count sides on 2D shapes. ·Count vertices on 2D shapes. ·Draw 2D shapes. ·.·Sort 2D shapes. ·Make patterns with 2D shapes..	**WR unit Properties of shape** ·Count faces on 3D shapes. ·Count edges on 3D shapes. ·Count vertices on 3D shapes. ·Sort 3D shapes. ·Make patterns with 3D shapes	**WR unit Properties of shape** Lines of symmetry Name common 2D and 3D shapes consistently from a given description.
Measurement **1 week** **1 week 3 days** **1 week**	**WR unit Length, Height, time** Measure length (cm). ·Measure length (m). ·Compare lengths. ·Order lengths. ·Four operations with lengths. O'clock and half past. Minutes in an hour, hours in a day.	**WR unit weight, capacity and time** Compare mass. ·Measure mass in grams. ·Measure mass in kilograms. ·Compare capacity. ·Millilitres. ·Litres. ·Temperature. Quarter past and quarter to.	**WR unit Reading scales and time** Telling time to 5 minutes. Find durations of time. Compare durations of time.
Statistics **(extra week in autumn term)**	**WR unit Statistics (link to computing, geography and science)** Make tally charts. •Draw pictograms (1-1). •Interpret pictograms (1-1). •Draw pictograms (2, 5 and 10). •Interpret pictograms (2, 5 and 10). •Block diagrams.		