St Andrew's Church of England VC Primary School
Medium Term Plans- Autumn Term

Reference to the Ready to Progress criteria is listed under the unit name.

Ready-to-progress criteria strands	Code
Number and place value	**NPV**
Number facts	**NF**
Addition and subtraction	**AS**
Multiplication and division	**MD**
Fractions	**F**
Geometry	**G**

Nursery

Unit Name	Intended Outcomes
Number, Geometry, Measurement: Just Like	• Match a variety of objects by looking for similarities. • Sorting objects into two or three groups. • Compare size, height, amounts and length. • Recognise and create repeating patterns.

Reception

Unit Name	Intended Outcomes
Number, Geometry, Measurement: Just Like	*Consolidation Units* • Match a variety of objects by looking for similarities. • Sorting objects into two or three groups. • Compare size, height, amounts and length. • Recognise and create repeating patterns.
Number, Geometry, Measurement: It's Me, 1, 2, 3!	*Consolidation Units* • Represent 1, 2 and 3. • Sort, match and create 1, 2 and 3. • Compare 1 more or 1 less.

	• Understand the composition of 1, 2 and 3. • Sort and find circles and triangles. • Use positional language to describe an item in relation to another object.
Number, Geometry, Measurement: Light and Dark	*Consolidation Units* • Count sight numbers beyond 5. • Represent 4 and 5. • Sort, match and create 4 and 5. • Compare 1 more or 1 less. • Understand the composition of 4 and 5. • Sort and find squares and rectangles. • Understand the sequence events that happen in the day and night.

Year One

Unit Name	Intended Outcomes
Number: Place Value (within 10) 1NPV-1, 2	• Sorting, counting and representing numbers to 10. • Recognise numbers as words • **Count on from any number** • **Counting forwards to and backwards from 10.** • One more and one less for numbers within 10. • **Compare groups** • **Fewer, more, the same** • One-to-one correspondence. • **Introduce <, > and =.** • **Compare numbers within 10.** • **Order numbers and objects to 10 on a number line.** • Ordinal numbers. • **The number line.**
Number: Addition and Subtraction (within 10) 1NF-1 1AS-1,2	• Part-whole models in calculation structures. • Write number sentences • Use the addition and subtraction symbol. • **Explore number bonds: fact families and number bonds (within 10/ systematic)** • **Addition structures: adding together, add more, adding one more, addition problems, using bonds, finding a part.**

	• **Subtraction structures: taking away/cross out (how many left?), finding a part, counting back, finding the difference.** • **Subtract on a number line** • Fact families – the 8 facts • Add or subtract 1 or 2 • Compare addition and subtraction statements.
Geometry: Shape 1G-1,2	• **Recognise and name 3-D shapes.** • **Sort 3-D shapes.** • **Recognise and name 2-D shapes.** • **Sort 2-D shapes.** • **Patterns with 3-D and 2-D shapes.**

Year Two

Unit Name	Intended Outcomes
Number: Place Value 2NPV-1,2	• Numbers to 20. • Count objects to 100 by making 10s. • **Recognise tens and ones.** • **Use a place value chart.** • **Partition numbers to 100.** • Write numbers to 100 in words. • **Flexibly partition numbers to 100.** • **Write numbers to 100 in expanded form.** • **10s and 1s on the number line to 100.** • **Estimate numbers on a number line.** • Compare objects. • Compare numbers. • Order objects and numbers. • Count in 2s, 5s and 10s. • Count in 3s.
Number: Addition and Subtraction 2NF-1	• **Bonds to 10**. • Fact families- addition and subtraction bonds within 20. • Related facts.

2AS-1,2,3,4	• Bonds to 100 (tens). • Add and subtract 1s. • **Add by making 10.** • Add three 1-digit numbers. • **Add to the next 10.** • **Add across a 10.** • **Subtract across 10.** • **Subtract a 1-digit number from a 2-digit number (across a 10).** • **10 more, 10 less.** • **Add and subtract 10s.** • **Add two 2-digit numbers (not across a 10).** • **Add two 2-digit numbers (across a 10).** • **Subtract two 2-digit numbers (not across a 10).** • **Subtract two 2-digit numbers (across a 10).** • **Mixed addition and subtraction.** • Compare number sentences. • Missing number problems.
Geometry: Shape 2G-1	• **Recognise and make 2-D and 3-D shapes.** • **Count sides and vertices on 2-D shapes.** • Draw 2-D shapes. • Lines of symmetry on shapes. • Use lines of symmetry to complete shapes. • **Sort 2-D shapes.** • **Count faces, edges and vertices on 3-D shapes.** • **Sort 3-D shapes.** • Make patterns with 2-D and 3-D shapes.

Year 3

Unit Name	Intended Outcomes
Number: Place Value 3NPV-1, 2, 3, 4	• Represent numbers to 100. • Partition numbers to 100 • Number lines to 100 • **Hundreds** • **Represent and partition numbers to 1000**

	• **Flexible partitioning of numbers to 1000** • **Hundred, tens and ones** • **Find 1, 10 and 100 more and less.** • **Number line to 1000** • **Estimate and compare to 1000** • **Order numbers to 1000.** • **Count in 50s.**
Number: Addition and Subtraction 3NPV-1, 3NF-1 3AS-1,2,3	• Apply number bonds within 10 • Add and subtract 1s. • Add and subtract 1s, 10s and 100s- • Spot the pattern • **Add 1s across 10** • **Add 10s across 100** • **Add and subtract 1s across 10** • **Subtract 10s across 100** • **Make connections** • **Add two numbers, no exchange** • **Subtract two numbers no exchange** • **Add two numbers across ten** • **Add two numbers across 100** • **Subtract 2 numbers across a 10** • **Subtract 2 numbers across 100** • **Add 2 and 3 digit numbers** • **Subtract a 2-digit number from a 3-digit number** • **Complements to 100** • Estimate answers • **Inverse operations** • **Make decisions**
Number: Multiplication and Division 3NPV- 1 3NF- 2, 3MD-1	• **Multiplication- equal groups** • **Use arrays** • **Multiples of 2, 5 and 10** • **Sharing and grouping.** • **Multiply and divide by 3.** • **The 3 times-table.** • **Multiply and divide by 4.** • **The 4 times-table.** • **Multiply and divide by 8.**

	• **The 8 times-table.** • **2s, 4s and 8 times tables**

Year Four

Unit Name	Intended Outcomes
Number: Place Value 4NPV-1, 2, 3	• Represent numbers to 1000. • Partition numbers to 1000. • Number line to 1000. • **Thousands.** • **Represent numbers to 10,000.** • **Partition numbers to 10,000.** • **Flexible partitioning of numbers.** • **Find 1, 10, 100, 1000 more or less.** • **Number line to 10,000.** • **Estimate on a number line.** • **Compare numbers to 10,000.** • **Order numbers to 10,000.** • Roman numerals. • **Round to the nearest 10** • **Round to the nearest 100** • **Round to the nearest 1000** • **Round to the nearest 10, 100 and 1000**
Number: Addition and Subtraction	• Add and subtract 1s,10s,100s and 1000s • Add 4 digit numbers no exchange • Add 4 digit numbers with exchange • Add 4 digit numbers with more than one exchange • Subtract 4 digit numbers no exchange • Subtract 4 digit numbers with exchange • Subtract 4 digit numbers with more than one exchange • Efficient subtraction • Estimate answers • Checking strategies
Area	• What is area? • Count squares

	• Make shapes • Compare areas
Number: Multiplication and Division 4NF-1,2, 4MD-3	• **Multiples of 3** • **Multiply and divide by 6** • **6 Times table and division facts** • **Multiply and divide by 9** • **9 times table and division facts** • **3, 6 and 9 times tables** • **Multiply and divide by 7** • **7 times table and division facts** • **11 times table and division facts** • **12 times table and division facts** • **Multiply by 1 and 0** • **Divide a number by 1 and itself** • **Multiply three numbers**

Year Five

Unit Name	Intended Outcomes
Number: Place Value	• Roman numerals to 100. • Numbers to 10,000 • Numbers to 100,000. • Numbers to 1,000,000. • Read and write numbers to 1,000,000 • Powers of 10 • 10/100/1,000/10,000/100,000 more or less • Partition numbers to 1,000,000 • Number line to 1,000,000 • Compare and order numbers to 100,000 • Compare, round and order numbers to 1,000,000. • Rounding to the nearest 10, 100, and 1000. • Round within 100,000 • Round within 1,000,000

Number: Addition and subtraction	• Mental strategies • Add whole numbers with more than 4-digits. • Subtract whole numbers with more than 4-digits. • Round to check answers • Inverse operations (addition and subtraction). • Multi-step addition and subtraction problems. • Compare calculation • Find missing numbers
Number: Multiplication and division 5NF-1, 5MD-1	• **Multiples** • **Common multiples** • **Factors.** • **Common factors** • Prime numbers. • **Square numbers.** • Cube numbers. • **Multiply by 10, 100 and 1000.** • **Divide by 10, 100 and 1000.** • **Multiples of 10,100 and 1000.**
Fractions A 5F-2	• **Find fractions equivalent to a unit fraction** • **Find fractions equivalent to a non-unit fraction** • **Recognise equivalent fractions** • Convert improper fractions to mixed numbers • Convert mixed numbers to improper fractions • Compare fractions less than 1 • Order fractions less than 1 • Compare and order fractions greater than 1 • Add and subtract fractions greater than 1 • Add and subtract fractions with the same denominator • Add fractions within 1 • Add fractions with total greater than 1 • Add a mixed number • Add two mixed numbers • Subtract fractions • Subtract from a mixed numbers • Subtract from a mixed numbers – breaking th whole • Subtract two mixed numbers

Year Six

Unit Name	Intended Outcomes
Number: Place Value 6NPV-1, 2, 3, 4	• **Numbers to 1,000,000.** • **Numbers to 10,000,000.** • **Read and write numbers to 10,000,000** • **Powers of 10** • **Number line to 10,000,000** • **Compare and order any integers.** • **Round any integer** • Negative numbers (in context, then abstract).
Number: Addition, Subtraction, Multiplication and Division. 6AS/MD-2	• Add and subtract integers • Common Factors • Common Multiples • Rules of divisibility • Primes to 100 • Square and Cube Numbers • Multiply up to a 4-digit number by a 2-digit number • **Solve problems with multiplication** • Short division • **Division using factors** • Introduction to long division • Long division with remainders • **Solve problems with division** • **Solve multi-step problems** • Order of operations • Mental calculations and estimation • **Reason with known facts**
Fractions A 6F-1,2,3	• **Equivalent fractions and simplifying** • **Equivalent fractions on a number line** • **Compare and order (denominator)** • **Compare and order (numerator)** • Add and subtract simple fractions

	• Add and subtract any two fractions. • Add mixed numbers • Subtract mixed numbers • Multi-step problems
Fractions B	• Multiply fractions by integers. • Multiply fractions by fractions. • Divide a fraction by an integer. • Mixed question with fractions • Fraction of an amount. • Fraction of an amount- find the whole.
Converting Units 6NPV-4	• Metric measures • **Convert metric measures** • Calculate with metric measures • Miles and kilometres • Imperial measures