

Year 1

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| 1 | <p>Previous Reception experiences and counting within 100</p> <ul style="list-style-type: none"> • 1NPV-1 Count within 100, forwards and backwards, starting with any number. • 1.9 Composition of numbers: 20-100 |
| 2 | <p>Comparison of quantities and part-whole relationships</p> <ul style="list-style-type: none"> • 1NPV-1 Count within 100, forwards and backwards, starting with any number. • 1NPV-2 Reason about the location of numbers to 20 within the linear number system, including comparing using $<$ $>$ and $=$. • 1.1 Comparison of quantities and measures • 1.2 Introducing 'whole' and 'parts': part-part-whole |
| 3 | <p>Numbers 0 to 5</p> <ul style="list-style-type: none"> • 1NPV-2 Reason about the location of numbers to 20 within the linear number system, including comparing using $<$ $>$ and $=$. • 1AS-1 Compose numbers to 10 from 2 parts, and partition numbers to 10 into parts, including recognising odd and even numbers. • 1.3 Composition of numbers: 0-5 |
| 4 | <p>Recognise, compose, decompose and manipulate 2D and 3D shapes</p> <ul style="list-style-type: none"> • 1G-1 Recognise common 2D and 3D shapes presented in different orientations, and know that rectangles, triangles, cuboids and pyramids are not always similar to one another. • 1G-2 Compose 2D and 3D shapes from smaller shapes to match an example, including manipulating shapes to place them in particular orientations. |
| 5 | <p>Numbers 0 to 10</p> <ul style="list-style-type: none"> • 1NPV-2 Reason about the location of numbers to 20 within the linear number system, including comparing using $<$ $>$ and $=$. • 1AS-1 Compose numbers to 10 from 2 parts, and partition numbers to 10 into parts, including recognising odd and even numbers. • 1.4 Composition of numbers: 6-10 |
| 6 | <p>Additive structures</p> <ul style="list-style-type: none"> • 1AS-2 Read, write and interpret equations containing addition (+), subtraction (-) and equals (=) symbols, and relate additive expressions and equations to real-life contexts. • 1.5 Additive structures: introduction to aggregation and partitioning • 1.6 Additive structures: introduction to augmentation and reduction |
| 7 | <p>Addition and subtraction facts within 10</p> <ul style="list-style-type: none"> • 1NF-1 Develop fluency in addition and subtraction facts within 10. • 1.7 Addition and subtraction: strategies within 10 |
| 8 | <p>Numbers 0 to 20</p> <ul style="list-style-type: none"> • 1NPV-2 Reason about the location of numbers to 20 within the linear number system, including comparing using $<$ $>$ and $=$. • 1.10 Composition of numbers: 11-19 |
| 9 | <p>Unitising and coin recognition</p> <ul style="list-style-type: none"> • 1NF-2 Count forwards and backwards in multiples of 2, 5 and 10, up to 10 multiples, beginning with any multiple, and count forwards and backwards through the odd numbers. • 2.1 Counting, unitising and coins |
| 10 | <p>Position and direction</p> <ul style="list-style-type: none"> • This topic is part of the National Curriculum but is not included in the DfE 2020 guidance or the NCETM Mastery PD Materials. |
| 11 | <p>Time</p> <ul style="list-style-type: none"> • This topic is part of the National Curriculum but is not included in the DfE 2020 guidance or the NCETM Mastery PD Materials. |

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| | Number and place value |
| | Number facts |
| | Addition and subtraction |
| | Multiplication and division |
| | Fractions |
| | Geometry |
| | Other |

Dark grey references are ready-to-progress criteria from the DfE Guidance 2020

Light grey references are from the NCETM Primary Mastery Professional Development materials

Both are available online

Year 2

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|--|-----------------------------|
| | Number and place value |
| | Number facts |
| | Addition and subtraction |
| | Multiplication and division |
| | Fractions |
| | Geometry |
| | Other |

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| 1 | Numbers 10 to 100 <ul style="list-style-type: none"> • 2NPV-1 Recognise the place value of each digit in two-digit numbers, and compose and decompose two-digit numbers using standard and non-standard partitioning. • 2NPV-2 Reason about the location of any two-digit number in the linear number system, including identifying the previous and next multiple of 10. • 1.8 Composition of numbers: multiples of 10 up to 100 • 1.9 Composition of numbers: 20-100 |
| 2 | Calculations within 20 <ul style="list-style-type: none"> • 2AS-1 Add and subtract across 10. • 2AS-2 Recognise the subtraction structure of 'difference' and answer questions of the form, "How many more...?". • 1.11 Addition and subtraction: bridging 10 • 1.12 Subtraction as difference |
| 3 | Fluently add and subtract within 10 <ul style="list-style-type: none"> • 2NF-1 Secure fluency in addition and subtraction facts within 10, through continued practice. • 1.7 Addition and subtraction: strategies within 10 |
| 4 | Addition and subtraction of two-digit numbers (1) <ul style="list-style-type: none"> • 2AS-3 Add and subtract within 100 by applying related one-digit addition and subtraction facts: add and subtract only ones or only tens to/from a two-digit number. • 1.13 Addition and subtraction: two-digit and single-digit numbers • 1.14 Addition and subtraction: two-digit numbers and multiples of ten |
| 5 | Introduction to multiplication <ul style="list-style-type: none"> • 2MD-1 Recognise repeated addition contexts, representing them with multiplication equations and calculating the product, within the 2, 5 and 10 multiplication tables. • 2.2 Structures: multiplication representing equal groups • 2.3 Times tables: groups of 2 and commutativity (part 1) • 2.4 Times tables: groups of 10 and of 5, and factors of 0 and 1 • 2.5 Commutativity (part 2), doubling and halving |
| 6 | Introduction to division structures <ul style="list-style-type: none"> • 2MD-2 Relate grouping problems where the number of groups is unknown to multiplication equations with a missing factor, and to division equations (quotitive division). • 2.6 Structures: quotitive and partitive division |
| 7 | Shape <ul style="list-style-type: none"> • 2G-1 Use precise language to describe the properties of 2D and 3D shapes, and compare shapes by reasoning about similarities and differences in properties. |
| 8 | Addition and subtraction of two-digit numbers (2) <ul style="list-style-type: none"> • 2AS-4 Add and subtract within 100 by applying related one-digit addition and subtraction facts: add and subtract any 2 two-digit numbers. • 1.15 Addition: two-digit and two-digit numbers • 1.16 Subtraction: two-digit and two-digit numbers |
| 9 | Money <ul style="list-style-type: none"> • This topic is part of the National Curriculum but is not included in the DfE 2020 guidance or the NCETM Mastery Professional Development Materials. |
| 10 | Fractions <ul style="list-style-type: none"> • 3.0 Guidance on the teaching of fractions in Key Stage 1 |
| 11 | Time <ul style="list-style-type: none"> • This topic is part of the National Curriculum but is not included in the DfE 2020 guidance or the NCETM Mastery Professional Development Materials. |
| 12 | Position and direction <ul style="list-style-type: none"> • This topic is part of the National Curriculum but is not included in the DfE 2020 guidance or the NCETM Mastery Professional Development Materials. |
| 13 | Multiplication and division – doubling, halving, quotitive and partitive division <ul style="list-style-type: none"> • 2.5 Commutativity (part 2), doubling and halving • 2.6 Structures: quotitive and partitive division |
| 14 | Sense of measure – capacity, volume, mass <ul style="list-style-type: none"> • This topic is part of the National Curriculum but is not included in the DfE 2020 guidance or the NCETM Mastery Professional Development Materials. |