# A.Y.J.S. Numeracy medium term plan Year 3

| Week | AUTUMN TERM | SPRING TERM | SUMMER TERM |
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| (Week 1 Autumn) | **KS 1 Pre- Assessment** | **Number - multiplication and division, incl. number and place value**<br>write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and *progressing to formal written methods* | **Number – fractions**<br>recognise and show, using diagrams, equivalent fractions with small denominators |
| 1 | **Number - number and place value**<br>recognise the place value of each digit in a three-digit number (hundreds, tens, ones)<br><br>read and write numbers up to at least 1000 in numerals and in words | | |
| 2 | **Number - number and place value**<br>compare and order numbers up to 1000<br><br>find 10 or 100 more or less than a given number | **Number - multiplication and division, incl. number and place value**<br>write and calculate mathematical statements for division | **Number – fractions**<br>add and subtract fractions with the same denominator within one whole (e.g. $5/7 + 1/7 = 6/7$) |
| 3 | **Number - number and place value**<br>identify, represent and estimate numbers using different representation<br><br>solve number problems and practical problems involving these ideas | **Number - multiplication and division, incl. number and place value**<br>solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects | **Number – fractions**<br>solve problems that involve fractions dividing one-digit numbers or quantities by 10 |
| 4 | **Number - addition and subtraction**<br>add numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three-digit number and hundreds | **Measurement** (money)<br>add and subtract amounts of money to give change, using both £ and p in practical contexts | **Measurement** (time)<br>*tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks* |
| 5 | **Number - addition and subtraction**<br>subtract numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three-digit number and hundreds | **Statistics**<br>interpret and present data using bar charts, pictograms and tables | **Measurement** (time)<br>estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight |
| 6 | **Number - addition and subtraction** | **Statistics** | **Measurement** (time) |

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| | add numbers with up to three digits, using the efficient written methods of columnar addition and subtraction | solve one-step and two-step questions such as 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables. | know the number of seconds in a minute and the number of days in each month, year and leap year. compare durations of events, for example to calculate the time taken by particular events or tasks. |
| 7 | **Number - addition and subtraction** subtract numbers with up to three digits, using the efficient written methods of columnar addition and subtraction | **Measurement** (length and perimeter) measure, compare, add and subtract: lengths (m/cm/mm); | **Geometry** (Properties of Shape) draw 2-D shapes make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them identify horizontal and vertical lines and pairs of perpendicular and parallel lines |
| 8 | **Number - addition and subtraction** solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction estimate the answer to a calculation and use inverse operations to check answers | **Measurement** (length and perimeter) measure, compare, add and subtract: lengths (m/cm/mm); | **Geometry** (Properties of Shape) recognise that angles are a property of shape or a description of a turn identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle |
| 9 | **Number - multiplication and division, incl. number and place value** count from 0 in multiples of 4, 8, 50 and 100 | **Measurement** (length and perimeter) measure the perimeter of simple 2-D shapes | **Measurement** (Mass and Capacity) measure, compare, add and subtract: lengths mass (kg/g); |
| 10 | **Number - multiplication and division, incl. number and place value** recall and use multiplication facts for the 3, 4 and 8 multiplication tables | **Number – fractions** count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators | **Measurement** (Mass and Capacity) measure, compare, add and subtract: mass (volume/capacity (l/ml) |
| 11 | **Assessment Week** | **Number – fractions** recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators | **Measurement** (Mass and Capacity) measure, compare, add and subtract: mass (kg/g); volume/capacity (l/ml) |

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| | | compare and order unit fractions with the same denominator | |
| **12** | **Number - multiplication and division, incl. number and place value**<br>recall and use division facts for the 3, 4 and 8 multiplication tables | **Consolidation** | **Consolidation** |
| **13** | **Consolidation** | | |