Perryfields
Primary

| Wk | Topic | Curriculum Objective | Challenge |
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| 1 - 3 | Multiplication and Division | <ul><li>Consolidate 2, 4 and 8 times tables.</li><li>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li><li>Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.</li><li>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objectives.</li><li>Multiples of 10</li><li>Related calculations</li><li>Reasoning about multiplication</li><li>Multiply a 2-digit number by a 1-digit number – no exchange</li><li>Multiply a 2-digit number by a 1-digit number – with exchange</li><li>Link multiplication and division</li><li>Divide a 2-digit number by a 1-digit number – no exchange</li><li>Divide a 2-digit number by a 1-digit number – flexible partitioning Divide a 2-digit number by a 1-digit number – with reminders</li><li>Scaling</li></ul> | |

| 4-6 | Measurement: Length and Perimeter | • Measure, compare, add and subtract lengths (m/cm/mm)<br>• Find equivalent lengths in mm, cm and m (Recap).<br>• Measure the perimeter of simple 2D shapes.<br>• Measure in metres and centimetres<br>• Measure in millimetres<br>• Measure in centimetres and millimetres Metres, centimetres and millimetres<br>  Equivalent lengths (metres and centimetres )<br>•  Equivalent lengths (centimetres and millimetres)<br>• Compare lengths<br>• Add lengths Subtract lengths<br>• Calculate perimeter<br>• What is perimeter? Measure perimeter calculate perimeter | • |
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| 7-9 | Fractions | • Make equal parts and recognise and find a half, quarter and a third (Recap).<br>• Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10<br>• Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.<br>• Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.<br>• Solve problems that involve all of the above.<br>• Understand the denominators of unit fractions<br>• Compare and order unit fractions<br>• Understand the numerators of non-unit fractions<br>• Understand the whole<br>• Compare and order non-unit fractions<br>• Fractions and scales<br>• Fractions on a number line<br>• Count in fractions on a number line<br>• Equivalent fractions on a number line<br>• Equivalent fractions as bar models | • |

| 10-12 | Mass and Capacity | •Use scales<br>•Measure mass in grams<br>•Measure mass in kilograms and grams<br>•Equivalent masses (kilograms and grams)<br>•Compare mass<br>•Add and subtract mass<br>•Measure capacity and volume in millilitres<br>•Measure capacity and volume in litres and millilitres<br>•Equivalent capacities and volumes (litres and millilitres)<br>•Compare capacity and volume Add and subtract capacity and volume.<br><br>• | • |
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| 12 | Consolidate and Assess | | White Rose Assessments<br>Mental Arithmetic<br>Number Clubs (weekly) |