**Power Maths Scheme of Work for Summer 2020 - Year 5**

Working in partnership with White Rose Maths, we have created special summer term Schemes of Work that Power Maths schools can follow in 2020. (These match the Summer Term Plans on the White Rose Maths website.)

These Schemes of Work introduce essential content from Term C alongside the consolidation of crucial number work from Terms A and B, so that children are able to start on next year’s work in September with as little disruption as possible.

To support these schemes of work, we have created **Power Maths Summer Home Editions** for children to work through at home. (These are made up of Textbook and Practice Book pages from all 3 terms.) Power Maths schools can access **free ebooks versions** of these summer editions (your school will receive an email with links to this content), but hard copies of the books are also available for children who are less able to access these online (see [Pearson schools website](https://www.pearsonschoolsandfecolleges.co.uk/Primary/Mathematics/AllMathematicsresources/Power-Maths/power-maths-summer-home-editions.aspx)).

**Week 1**

|  |  |  |
| --- | --- | --- |
| Multiplying 2-digit numbers (1) \* | Unit 7 | Lesson 2 |
| Multiplying 2-digit numbers (2) \* | Unit 7 | Lesson 4 |
| Division with remainders | Unit 7 | Lesson 9 |
| Calculating perimeter | Unit 6 | Lesson 2 |

**Week 2**

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| --- | --- | --- |
| Calculating area \* | Unit 6 | Lesson 4 |
| Equivalent fractions | Unit 8 | Lesson 1 |
| Converting improper fractions to mixed numbers | Unit 8 | Lesson 2 |
| Comparing and ordering fractions \* | Unit 8 | Lesson 5 |

**Week 3**

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| --- | --- | --- |
| Adding and subtracting fractions with the same  denominator | Unit 9 | Lesson 1 |
| Adding fractions (1) | Unit 9 | Lesson 4 |
| Adding fractions (2) | Unit 9 | Lesson 5 |
| Subtracting fractions \* | Unit 9 | Lesson 9 |

**Week 4**

|  |  |  |
| --- | --- | --- |
| Multiplying fractions (1) \* | Unit 10 | Lesson 2 |
| Multiplying fractions (2) \* | Unit 10 | Lesson 4 |
| Solving problems involving fractions \* | Unit 9 | Lesson 12 |
| Calculating fractions of amounts | Unit 10 | Lesson 5 |

**Week 5**

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| --- | --- | --- |
| Decimals as fractions \* | Unit 11 | Lesson 3 |
| Understanding thousandths | Unit 11 | Lesson 5 |
| Rounding decimals | Unit 11 | Lesson 9 |
| Ordering and comparing decimals \* | Unit 11 | Lesson 7 |

**Week 6**

|  |  |  |
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| Understanding percentages | Unit 11 | Lesson 10 |
| Percentages as fractions and decimals | Unit 11 | Lesson 11 |
| Adding and subtracting decimals (1) \* | Unit 12 | Lesson 2 |
| Adding and subtracting decimals (2) \* | Unit 12 | Lesson 4 |

**Week 7**

|  |  |  |
| --- | --- | --- |
| Adding and subtracting decimals (3) \* | Unit 12 | Lesson 7 |
| Adding and subtracting decimals (4) \* | Unit 12 | Lesson 8 |
| Multiplying decimals by 10, 100 and 1,000 | Unit 12 | Lesson 13 |
| Dividing decimals by 10, 100 and 1,000 | Unit 12 | Lesson 15 |

**Week 8**

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| Measuring with a protractor \* | Unit 13 | Lesson 2 |
| Drawing lines and angles accurately | Unit 13 | Lesson 4 |
| Calculating angles on a straight line | Unit 13 | Lesson 5 |
| Calculating angles around a point | Unit 13 | Lesson 6 |

**Week 9**

|  |  |  |
| --- | --- | --- |
| Regular and irregular polygons | Unit 14 | Lesson 4 |
| Reasoning about 3D shapes | Unit 14 | Lesson 5 |
| Reflection with coordinates | Unit 15 | Lesson 2 |
| Translation with coordinates | Unit 15 | Lesson 4 |

**Week 10**

|  |  |  |
| --- | --- | --- |
| Metric units \* | Unit 16 | Lesson 2 |
| Imperial units of length | Unit 16 | Lesson 5 |
| Converting units of time | Unit 16 | Lesson 8 |
| Timetables | Unit 16 | Lesson 9 |

**\***These lessons have very slightly different titles in the children’s book and online ebook (for example, numbers in brackets have been removed to avoid confusion.