

Brackenwood Junior School

Maths

Long Term Plan

Y4

2023/24

| **Each week of each half term** | **1** | **2** | **3** | **4** | **5** | **6** |
| --- | --- | --- | --- | --- | --- | --- |
| Times table chants  (tricky facts) | **4 x 12 and 12 x 4**  •At the park with my mate… 4 times 12 is 48  •I left the park a little late… 12 times 4 is 48  **11 x 11**  •Fancy going for a run… 11, 11s is 1-2-1  **7 x 8 and 8 x 7**  •My house is made of bricks… 7 times 8 is 56  •This old house needs a fix… 8 times 7 is 56 | **4 x 6 and 6 x 4**  •Please sir, can I have some more?… 4 times 6 is 24  •More made my belly sore… 6 times 4 is 24  **7 x 7**  **•**This one’s my favourite rhyme… 7 times 7 is 49  **8 x 9 and 9 x 8**  **•**Get in line, there’s a queue… 8 times 9 is 72  •This long line will not do… 9 times 8 is 72 | **8 x 8**  •I ate and ate ‘til I was sick on the floor… 8 times 8 is 64  **9 x 12 and 12 x 9** •Saving the world is our fate… 9 times 12 is 108  •A beautiful world we’ll create… 12 times 9 is 108  **6 x 7 and 7 x 6** •Fancy a trip to the zoo? 6 times 7 is 42  •At the zoo, I saw some poo… 7 times 6 is 42 | **6 x 8 and 8 x 6**  •At the doctor’s, I had a long wait… 6 times 8 is 48  •The doctor said her name was Kate… 8 times 6 is 48  **6 x 12 and 12 x 6**  • Above the clouds, the bird flew… 6 x 12 is 72  • The bird had an amazing view… 12 times 6 is 72  **4 x 7 and 7 x 4**  • Zooming down, I roller-skate… 4 times 7 is 28  •Hurtling down towards the gate… 7 times 4 is 28 | **12 x 12**  •What’s that running past the door? 12 times 12 is 1-4 -4  **8 x 12 and 12 x 8**  •I saw a magician doing tricks… 8 times 12 is 96  • This magician had magic sticks… 12 times 8 is 96  **6 x 9 and 9 x 6**  • Digging down to the core… 6 times 9 is 54  •I had to dig more and more… 9 times 6 is 54 | **4 x 8 and 8 x 4**  • Where’s my car? It’s brand new… 4 x 8 is 32  • My new car is shiny blue… 8 times 4 is 32  **7 x 12 and 12 x 7**  • Carrots taste great, that’s for sure… 7 times 12 is 84  • Crunchy carrots, I want more! … 12 times 7 is 84  **11 x 12 and**  **12 x 11**  •Is that the train leaving for Crewe? … 11 x 12 is 1-3-2  •Before the train, let’s grab a brew… 12 x 11 is 1-3-2 |

| Autumn 1  Week | 1 | 2 | 3 | 4 | 5 | 6 |
| --- | --- | --- | --- | --- | --- | --- |
| Power maths unit | Unit 1: Place value - 4-digit numbers (1) | Unit 1: Place value - 4-digit numbers (1) | Unit 2: Place value - 4-digit numbers (2) | Unit 2: Place value - 4-digit numbers (2) | Unit 3: Addition and subtraction | Unit 3: Addition and subtraction |
| Arithmetic | Half termly test – rising stars  Base line assessment of arithmetic passport | Mental addition of 2 digit numbers | Mental subtraction of 2 digit numbers | Column addition with exchanging | Column subtraction with exchanging | Addition and subtraction using missing numbers to consolidate the inverse |
| Times tables to teach and assess  **(online practice is separate from teaching)** | TT test out of 99  2, 4 and division facts | 5, 10 and division facts | 2, 4, 5, 10 and division facts | 3, 6 and division facts | 9 and division facts | 3, 6, 9 and division facts |
| Autumn 2  Week | 1 | 2 | 3 | 4 | 5 | 6 |
| Power maths unit | Unit 3: Addition and subtraction | Unit 4: Measure - area | Unit 4: Measure - area | Unit 5: Multiplication and division (1) | Unit 5: Multiplication and division (1) | Assessment week  Revision/catch up |
| Arithmetic | Half termly test - rising stars  Order and compare numbers beyond 1000 using > < symbols | Order and compare numbers beyond 1000 using > < symbols | Multiply two-digit and three-digit numbers by a one-digit number using formal written layout | | Use pv, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; | |
| Times tables to teach and assess | 4, 8 and division facts | 7 | 7 and division facts | 11 and division facts | 12 | 12 and division facts  Timetables  test out of 99 |

| Spring 1  Week | 1 | 2 | 3 | 4 | 5 | 6 |
| --- | --- | --- | --- | --- | --- | --- |
| Power maths unit | Unit 6: Multiplication and division (2) | Unit 6: Multiplication and division (2) | Unit 6: Multiplication and division (2) | Unit 7: Length and perimeter | Unit 7: Length and perimeter | Unit 8: Fractions (1) |
| Arithmetic | Half termly test – rising stars  Divide 1000 into 2,4,5 and 10 equal parts | Divide 2 digit by 1 digit numbers, using chunking on a number line, including remainders. | Mentally multiply three numbers | Multiply and divide whole numbers by 10, 100, 1000 | Use knowledge of bonds to 100 to calculate bonds to 1000 | Round any number to the nearest 10, 100 or 1000 |
| Times tables to teach and assess | 2, 4, 5, 10 | 3, 6, 9, 8 | 3, 6, 9, 8 | 7, 9, 11, 12 | 7, 9, 11, 12 | Timetables  test out of 99  Rapid recalls based on need. |

| Spring 2  Week | 1 | 2 | 3 | 4 | 5 | 6 |
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| Power maths unit | Unit 8: Fractions (1) | Unit 9: Fractions (2) | Unit 9: Fractions (2) | Unit 10: Decimals (1) | Unit 10: Decimals (1) | Assessment week  Revision/catch up |
| Arithmetic | Half termly test – rising stars  Round any number to the nearest 10, 100 or 1000 | Convert mixed numbers to improper fractions and vice versa | Add and subtract fractions with the same denominator | Add and subtract fractions with the same denominator, including improper fractions. | Find fractions of a number eg. 1/4 of 20 | Revision |
| Times tables to teach and assess | 2, 4, 5, 10  3, 6, 9, 8 | 7, 9, 11, 12 | All times tables, mixed with increasing speed. | All times tables, mixed with increasing speed. | All times tables, mixed with increasing speed. | All times tables, mixed with increasing speed. |

| Summer 1  Week | 1 | 2 | 3 | 4 | 5 | 6 |
| --- | --- | --- | --- | --- | --- | --- |
| Power maths unit | Unit 11: Decimals (2) | Unit 11: Decimals (2) | Unit 12: Money | Unit 12: Money | Unit 13: Time | Unit 13: Time |
| Arithmetic | Half termly test – rising stars  Find fractions of a number eg. 3/4 of 20 | Column addition of 4 digit numbers with exchanging | Column subtraction of 4 digit numbers with exchanging | Multiply and divide numbers, including decimals by 10, 100, 1000 | Add and subtract fractions with the same denominator, including improper fractions. | Revision |
| Times tables to teach and assess | Class need and  Daily rapid recalls of all tables and online practice using maths frame. Target focus groups. | | | | | |

| Summer 2  Week | 1 | 2 | 3 | 4 | 5 | 6 |
| --- | --- | --- | --- | --- | --- | --- |
| Power maths unit | Unit 14: Geometry - angles and 2D shapes | Unit 14: Geometry - angles and 2D shapes | Unit 15: Statistics | Unit 15 and 16 | Unit 16: Geometry – position and direction | Assessment week  Revision/catch up |
| Arithmetic | Half termly test – rising stars  Multiply and divide numbers, including decimals by 10, 100, 1000 | Multiply two-digit and three-digit numbers by a one-digit number using formal written layout | Divide 2 digit by 1 digit numbers, using chunking on a number line, including remainders. | Use knowledge of bonds to 100 to calculate bonds to 1000 | Refer to and ensure the arithmetic passport is checked off | Revision |
| Times tables to teach and assess | All times tables, mixed with increasing speed. | All times tables, mixed with increasing speed. | All times tables, mixed with increasing speed. | 2, 4, 5, 10 | 3, 6, 9, 8 | 7, 9, 11, 12 |
|  | Times table check window | | |  | | |