

Brackenwood Junior School

Maths

Long Term Plan

Y3

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 | Assessments and settling in | Unit 1: Place value within 1,000 | Unit 1: Place value within 1,000 | Unit 1: Place value within 1,000 | Unit 2: Addition and subtraction (1) | Unit 2: Addition and subtraction (1) |
| Arithmetic | Half termly test – rising stars  Base line assessment of arithmetic passport | Mental addition of 1  and 2 digit numbers  including number bonds to 100 | Mental subtraction  of 1 and 2 digit numbers  including number bonds to 100 | Adding and subtracting 10 from a given number  Counting multiples of 10, 20, 25 and 50 from 0 or a given multiple | Column addition | Column addition with exchanging |
| Times tables to teach and assess | Timetables  practice and assessments (test out of 99) | 2 | 4 | 5 | 10 | 2, 4, 5, 10 |

| Autumn 2  Week | 1 | 2 | 3 | 4 | 5 | 6 |
| --- | --- | --- | --- | --- | --- | --- |
| Power maths unit | Unit 3: Addition and subtraction (2) | Unit 3: Addition and subtraction (2) | Unit 4: Multiplication and division (1) | Unit 4: Multiplication and division (1) | Unit 4: Multiplication and division (1) | Assessment week and revision/catch up |
| Arithmetic | Half termly test – rising stars  Column subtraction | Column subtraction with exchanging | Addition and subtraction using missing numbers to consolidate the inverse | Addition and subtraction using missing numbers to consolidate the inverse | Expanded column multiplication | Expanded column multiplication |
| Times tables to teach and assess | 3 | 6 | 9 | 8 | 3, 6, 9, 8 | 3, 6, 9, 8 |

| Spring 1  Week | 1 | 2 | 3 | 4 | 5 | 6 |
| --- | --- | --- | --- | --- | --- | --- |
| Power maths unit | Unit 5: Multiplication and division (2) | Unit 5: Multiplication and division (2) | Unit 5: Multiplication and division (2) | Unit 6: Multiplication and division (3) | Unit 6: Multiplication and division (3) | Unit 6: Multiplication and division (3) |
| Arithmetic | Half termly test – rising stars  Multiplying and dividing by 10 using whole numbers | Multiplying and dividing by 10  using whole numbers | Doubling and halving 2 digit numbers | Doubling and halving 2 digit numbers – introducing half as an answer (51div2=25 and a half) | Division using grouping on a number line  (96 div 8, counting in 8s to 96) | Division using chunking on an number line  (96 div 8, 10x8 is 80 and 2 x 8 is 16) |
| Times tables to teach and assess  including related division facts | 8, 9 | 7 | 11 | 12 | 7, 12 | 7, 12 |

| Spring 2  Week | 1 | 2 | 3 | 4 | 5 | 6 |
| --- | --- | --- | --- | --- | --- | --- |
| Power maths unit | Unit 7: Length and perimeter | Unit 7: Length and perimeter | Unit 8: Fractions (1) | Unit 8: Fractions (1) | Unit 9 : Mass | Unit 9 : Mass Assessment week and revision |
| Arithmetic | Half termly test – rising stars  Revisit expanded column multiplication | Variety of multiplication questions, ask children is this best to do expanded column multiplication or a mental method such as repeated addition? | Column addition and subtraction | Find fractions of amounts  (Eg 1/3 of 12) | Find fractions of amounts  (Eg 2/3 of 12) | Revision |
| Times tables to teach and assess  including related division facts | 2, 4, 5, 10 | 2, 4, 5, 10 | 3, 6, 9, 8 | 3, 6, 9, 8 | 7, 9, 11, 12 | Timetables  test out of 99  Rapid recalls based on need. |

| Summer 1  Week | 1 | 2 | 3 | 4 | 5 | 6 |
| --- | --- | --- | --- | --- | --- | --- |
| Power maths unit | Unit 10: Capacity | Unit 11: Fractions (2) | Unit 11: Fractions (2) | Unit 12: Money | Unit 13: Time | Unit 13: Time |
| Arithmetic | Half termly test – rising stars  Ordering fractions with different denominators on a number line | Ordering fractions using <> symbols | Adding fractions with the same denominator. | Subtracting fractions with the same denominator. | Refer to and ensure the arithmetic passport is checked off | Revision |
| Times tables to teach and assess  including related division facts | 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 |

| Summer 2  Week | 1 | 2 | 3 | 4 | 5 | 6 |
| --- | --- | --- | --- | --- | --- | --- |
| Power maths unit | Unit 14: Angles and properties of shapes | Unit 14: Angles and properties of shapes | Unit 15: Statistics | Unit 15: Statistics | Class need | Assessment week and revision/catch up |
| Arithmetic  Based on teacher assessment and analysis of NTS and half termly tests | Half termly test – rising stars  Column addition and subtracting with exchanging | Column addition and subtracting with exchanging | Expanded column multiplication | Division using chunking on an number line | Addition, subtraction, multiplication and division using missing numbers to consolidate the inverse | Revision |
| Times tables to teach and assess  including related division facts | Class need and  Introduce the use of maths frame to answer a range of times table questions. Target focus groups.  Children to practice answering online. | | | | |  |