

Brackenwood Junior School

Maths

Long Term Plan

Y6

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 | 7 |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Maths unit | Number | Number | Operation - addition and subtraction | Operation – multiplication | Operation – multiplication | Operation - division | Factors and Multiples |
| Arithmetic | Half termly test – past sat paper, analysis gaps | Addition and subtraction using a formal written method, including decimals. | Choosing the most efficient method for a variety of addition and subtraction questions | Multiplication and division using a formal written method including decimals. | Choosing the most efficient method for a variety of multiplication and division questions | Multiplying 3 numbers | Multiply and divide by 10, 100, 1000 |
| Times tables to teach and assess | TT test out of 99  2, 4, 5, 10 | 2, 4, 5, 10 and division facts | 3, 6, 9 | 3, 6, 9 and division facts | 8 and division facts | 7 and division facts |  |

| Autumn 2  Week | 1 | 2 | 3 | 4 | 5 | 6 |
| --- | --- | --- | --- | --- | --- | --- |
| Maths unit | Operation - addition and subtraction | Geometry | Fractions | Fractions | Fractions | Geometry |
| Arithmetic | Half termly test – past sat paper, analysis gaps | Addition and subtraction using missing numbers to consolidate the inverse | Multiplication and division using missing numbers to consolidate the inverse | Adding and subtractions fractions with different dominators | Multiplying fractions with the same denominator | Multiplying fractions with the different denominators |
| Times tables to teach and assess | 11 and division facts | 12 and division facts | 7, 9, 11, 12 | 7, 9, 11, 12 | All times tables | TT test out of 99  All times tables |

| Spring 1  Week | 1 | 2 | 3 | 4 | 5 | 6 |
| --- | --- | --- | --- | --- | --- | --- |
| Maths unit | Geometry | Negative numbers | Geometry | Measure | Fractions | operations |
| Arithmetic | Half termly test – past sat paper,  Use estimation to check answers to calculations and determine an appropriate degree of accuracy. | Divide proper fractions by whole numbers | Questions which include mixed operations | Percentages of numbers | Mentally multiply and divide any number by 4,5,10,20,25,50 and 100 | Use common factors to simplify fractions |
| Times tables to teach and assess | TT test out of 99  2, 4, 5, 10 | 2, 4, 5, 10 and division facts | 3, 6, 9 | 3, 6, 9 and division facts | 8 and division facts | 7 and division facts |

| Spring 2  Week | 1 | 2 | 3 | 4 | 5 | 6 |
| --- | --- | --- | --- | --- | --- | --- |
| Maths unit | Geometry | Fractions | Ratio | Ratio | Measure | Statistics |
| Statistics | Number | Algebra | Measure | Number |  |
| Arithmetic | Half termly test – past sat paper, analysis gaps | Recall and use equivalences between simple fractions, decimals and percentages, | Revision / class need / past SAT papers | Revision / class need / past SAT papers | Revision / class need / past SAT papers | Revision / class need / past SAT papers |
| Times tables to teach and assess | 11 and division facts | 12 and division facts | 7, 9, 11, 12 | 7, 9, 11, 12 | All times tables | TT test out of 99  All times tables |

| Summer 1  Week | 1 | 2 | 3 | 4 | 5 | 6 |
| --- | --- | --- | --- | --- | --- | --- |
| Maths unit | Revision – number | Revision – measure, geometry, ratio. | Revision – fractions, statistics, algebra | SATS testing | £5 challenge | £5 challenge |
| Arithmetic | Revision / class need / past SAT papers | Revision / class need | Revision / class need |  |  |  |
| Times tables to teach and assess | TT test out of 99  2, 4, 5, 10 | 2, 4, 5, 10 and division facts | 3, 6, 9 | 3, 6, 9 and division facts | 8 and division facts | 7 and division facts |

| Summer 2  Week | 1 | 2 | 3 | 4 | 5 | 6 |
| --- | --- | --- | --- | --- | --- | --- |
| Maths unit | Power maths 6C unit 15 – problem solving | Power maths 6C unit 15 – problem solving | Power maths 6C unit 15 – problem solving |  |  |  |
| Arithmetic | Half termly test – past sat paper? |  |  |  |  |  |
| Times tables to teach and assess | 11 and division facts | 12 and division facts | 7, 9, 11, 12 | 7, 9, 11, 12 | All times tables | TT test out of 99  All times tables |