



Thomson House School

Year One Maths Curriculum

Year 1

This document is to be used as a guide. The number of weeks to spend on each topic depends on the children's understanding so therefore you might need to spend more/less time on each topic. Teachers should cover some measurement statements through place value, counting and the four operations. KPIs in yellow.

| | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | | | | |
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| Autumn Counting in 2s, 5s and 10s warm up across the term | Place Value and Counting <ul style="list-style-type: none"> Count on and back for numbers to 10. Use the language of more than and fewer etc to compare numbers from 1-10 using appropriate language. Identify one more and one less of a given number. Subitise in regular and irregular arrangements of dots to 10. One more one less (start to use add one and subtract one- different to counting) Subitise in regular and irregular arrangements of dots to 10. <p>Week 1 : 0 – 10 Representing numbers on tens frame, numicon, number line, 100 square, steps One more one less Counting forwards and backwards</p> <p>Week 2: 0 – 20</p> | | | Addition and Subtraction <ul style="list-style-type: none"> Ordering on the number line. Visualise hidden amounts and count on to find how many. Part whole numbers (6-10) Part whole for numbers to 10. Patterns in number that make 5. Patterns in number to make 10. Patterns to make all numbers to 10. Combine amounts. Write mathematical statements involving addition and equal sign. <p>Week 4 and 5: Addition within 10 and then 20 Number bonds to ten Part part whole Tens frames Using + - = Commutativity Not crossing ten</p> <p>Week 6 and 7: Subtraction within 10 and then 20 Number bonds to ten Part part whole Tens frames Using + - = Inverse Not crossing ten</p> | | | Place Value and Counting <ul style="list-style-type: none"> Read and write numbers from 1 to 20 in numerals. Read and write numbers from 1-20 in words. Represent numbers using objects and pictorial representations up to 20. <p>Use Language equal to more than, less than, most, least.</p> <ul style="list-style-type: none"> <p>Week 1 and 2: Place value 0 – 50 Tens and ones Representing Partitioning Dienes Cubes, tens frames, numicon Counting forwards and backwards 100 square – finding numbers, spotting patterns, counting in 2s, 5s and 10s</p> | | | Addition and Subtraction <ul style="list-style-type: none"> Read and interpret mathematical statements involving subtractions and equal signs. <p>Week 3: Bridging through ten</p> <p>Week 4: Number bonds to 20, using number bonds to 10 Commutativity Inverse Fact families – bar model</p> | | | Shape Recognise and name common 2-D shapes e.g. rectangles (including squares), circles and triangles. Recognise and name common 3-D shapes e.g. cuboids (including cubes), pyramids and spheres. | | | |

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| | <p>Representing numbers on tens frame, numicon, number line, 100 square, steps One more one less Spotting patterns; counting in 2s, 5s and 10s</p> <p>Week 3: Order and compare numbers 0 -20 <>= Using cubes, tens frames, numicon, number lines</p> | | | | | |
| <p>Spring</p> <p>Time warm ups across the term</p> | <p>Place Value and Counting</p> <ul style="list-style-type: none"> Represent and use number bonds within 20. Count to and across 100, forwards and backwards, from beginning with 0 or 1, or from any given number. Can read number to 100 in numerals. Can write number to 100 in numerals. <p>Week 1: Recap place value 0 – 50</p> <p>Week 2: Place value 0 – 100</p> | <p>Addition and Subtraction</p> <ul style="list-style-type: none"> Add one-digit and two digit numbers to 20, including zero. Subtract one-digit and two digit numbers to 20, including zero. Represent and use subtraction facts within 20. Write mathematical statements involving subtractions and equal signs. Relationship between addition and subtraction. <p>Week 3: Adding ten using dienes, 100 square Adding 2 digit numbers using place value knowledge Dienes Drawing dienes Commutativity 100 square Number lines Start to cross 10</p> <p>Week 4: Subtracting 2 – digit numbers using place value knowledge</p> | <p>Multiplication and Division</p> <ul style="list-style-type: none"> Count in multiples of twos, fives and tens from 0. Can group items into equal groups. Can skip count in multiples of 2,5 and 10. <p>Week 5: Equal groups Skip counting use 100 square Arrays</p> <p>Week 6: Sharing Making groups Arrays</p> | <p>Fractions</p> <ul style="list-style-type: none"> Recognise, find and name a half as one of two equal parts of an object, shape or quantity. Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity. <p>Finding half and quarters of shapes</p> <p>Finding half and quarters of amounts</p> | <p>Length and Height</p> <p>- Compare, describe and solve practical problems for lengths and heights e.g. long/short, longer/shorter, tall/short, double/half.</p> <p>-Measure and begin to record length/height</p> | <p>Time</p> <ul style="list-style-type: none"> Compare, describe and solve practical problems for time e.g. quicker, slower, earlier, later Measure and begin to record time (hours, minutes, seconds). Sequence events in chronological order using language e.g. before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening. Recognise and use language relating to dates, including days of the week, weeks, months and years Tell the time to the hour and half past |

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| | | <p>Dienes Drawing dienes Inverse 100 square Number lines Start to cross 10</p> | | | | <p>the hour and draw the hands on a clock face to show these times.</p> |
| <p>Summer Money warm ups across the term</p> | <p>Weight and Volume</p> <ul style="list-style-type: none"> Compare, describe and solve practical problems for mass/weight e.g. heavy/light, heavier than, lighter than. Compare, describe and solve practical problems for capacity and volume e.g. full/empty, more than, less than, half, half full, quarter. Measure and begin to record mass/weight. <p>Measure and begin to record capacity and volume.</p> | <p>Money</p> <ul style="list-style-type: none"> Recognise and know the value of different denominations of coins and notes. | <p>The Four Operations</p> <ul style="list-style-type: none"> Relate addition and subtraction up to 20. Solve one-step problems that involve addition, subtraction and missing numbers using concrete objects and pictorial representations. Solve one-step problems involving multiplication/division by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher. <p>Recap of multiplication, division, addition and subtraction</p> | <p>Place Value and Counting</p> <ul style="list-style-type: none"> Partition and combine numbers using apparatus if required. <p>Read and interpret mathematical statements involving addition and equal signs.</p> | | |

