Oakgrove School - Curriculum Matrix

Year 1

Place Value 1
- Count and write numbers up to 20
- Represent numbers up to 20
- Count one more and one less to 20
- Write numbers in words

Place Value 2
- Partition numbers to 20 into 10s and 1s
- Compare groups of objects
- Compare numbers
- Order a group of objects
- Order numbers

Addition and Subtraction 1
- Use number bonds within 10
- Use number bonds systematically
- Explore number bonds within 10
- Compare number bonds

Measures 1
- Compare heights and lengths
- Measure length using non-standard units
- Measure length using standard units
- Explore weight and mass
- Measure mass
- Compare mass

Addition and Subtraction 2
- Add together
- Add more
- Add by counting
- Add using objects
- Add using dots

Addition and Subtraction 3
- Find a part
- Find how many are left
- Break a whole into parts for subtraction
- Count backwards
- Find the differnce between two numbers
- Subtract using objects
- Subtract using dots

Shape 1
- Know the names of common 2d shapes (rectangle, square, circle, triangle)
- Know the names of common 3d shapes (cube, cuboid, sphere, cylinder, pyramid)
- Make patterns with shapes

Fractions 1
- Find half of a shape and objects
- Find half of a group of objects
- Find half of a number
- Know halves to half of 20

Measures 2
- Use 'before' and 'after' to sort events
- Use dates, months and days of the week
- Tell the time to the hour
- Tell the time to the half hour
- Draw hands on a clock to show the time

Multiplication and Division 1
- Count in 2s
- Multiply by 2
- Solve one-step problems involving multiplication
- Connect arrays to counting in 2s

Multiplication and Division 2
- Divide by 2 by sharing

Multiplication and Division 3
- Make doubles
- Know that doubling is the same as multiplying by 2
- Share to make halves
- Know that halving is the same as dividing by 2

Place Value 3
- Count forwards and backwards within 50
- Represent numbers up to 50
- Find one more and one less than numbers up to 50

Place Value 4
- Partition numbers up to 50 into 10s and 1s
- Compare objects within 50
- Compare numbers within 50
- Order numbers within 50

Addition and Subtraction 4
- Add a 2-digit number and a 1-digit number

Addition and Subtraction 5
- Subtract a 1-digit number from a 2-digit number

Multiplication and Division 4
- Count in 5s
- Multiply by 5
- Connect arrays to counting in 5s

Multiplication and Division 5
- Divide by 5
- Solve one-step problems with multiplication and division
- Use concrete objects to solve problems

Measures 3
- Tell the time to half hours
- Compare times

Measures 4
- Recognise coins
- Recognise notes
- Count coins

Fractions 2
- Find a quarter of a shape
- Find a quarter of a group of objects
- Combine halves and quarters as parts of a whole
- Recognise the symbol for a half and a quarter

Measures 5
- Use left, right, forwards and backwards
- Describe turns (whole, quarter, half and three-quarters and clockwise and anti-clockwise
- Describe positions (top, middle, bottom, on top of, in front of, above, between, around, near, close, under, below, far, up, down, inside, outside

Measures 6
- Explore capacity and volume
- Measure capacity
- Compare capacity
- Recognise the units cm, g and ml

Addition and Subtraction 6
- Know number bonds to 20
- Add two 1-digit numbers using a mental method
- Add 1- and 2-digit numbers using a mental method
- Find the missing number in a number sentence using a mental method.

Place Value 5
- Count to 100
- Find one more and one less than numbers up to 100
- Compare numbers up to 100

Place Value 6
- Partition numbers up to 100 into 10s and 1s
- Order numbers up to 100
- Make patterns of objects and shapes

Addition and Subtraction 7
- Add within 50
- Add a 1-digit number to a 2-digit number
- Find links between addition and subtraction facts
- Explore addition and subtraction fact families

Addition and Subtraction 8
- Subtract within 50
- Subtract a 1-digit number from a 2-digit number
- Find links between addition and subtraction facts
- Explore addition and subtraction fact families

Multiplication and Division 6
- Count in 10s
- Multiply by 10

Multiplication and Division 7
- Divide by 10
- Remember how to divide by 2, 5 and 10

Multiplication and Division 8
- Know doubles to double 10 and halves to half of 20
- Recognise that division is the inverse of multiplication

Addition and Subtraction 9
- Be familiar with the language of addition (put together, total, plus, add, altogether, more than)
- Be familiar with the language of subtraction (take away, distance between, difference, less than, minus)
- Solve one-step addition and subtraction problems, including those with missing numbers
- Solve one-step addition and subtraction problems, including those written in words

Multiplication and Division 9
- Count in 2s to 20 and beyond
- Count in 5s to 50 and beyond
- Count in 10s to 100

Shape 2
- Know that shapes with the same name do not always look identical
- Relate 2d and 3d shapes to everyday objects

Fractions 3
- Find basic fractions of numbers using circles and dots
- Find basic fractions of numbers using bar models and dots

Measures 7
- Write timings in seconds, minutes and hours
- Compare times
- Find the coins needed to make amounts up to 50p (need not be the most efficient group)
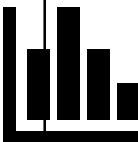
STATISTICS:
Read and interpret pictograms – Science Autumn 1 (Magnets)
Read and interpret bar charts – Science Autumn 1 (Magnets)
Read and interpret scaled bar charts (in 2s, 5s and 10s) – Science Summer 1 (Sound)
Read and interpret tables – Science Summer 1 (Sound)