Beech Hill Primary School Scheme of Work: Mathematics

Term: Summer Year Group: 4

National Curriculum Objectives:

Weeks 1- 2 Number: Decimals

Compare and order numbers with the same number of decimal places up to two decimal places. Round decimals with one decimal place to the nearest whole number. Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$. Find the effect of dividing a one or two digit number by 10 or 100 and identifying the value of the digits in the answer as ones, tenths or hundredths.

Week 3-4 Measurement: Money

Estimate, compare and calculate money in pounds and pence. Solve simple measure and money problems involving fractions and decimals to two decimal places.

Week 5 - 6 Measurement – Time

Read, write and convert time between analogue and digital 12 and 24 hour clocks. Solve problems involving converting from hours to minutes, minutes to seconds, years to months and weeks to days.

Week 7 -8 Geometry – Properties of shape

Identify obtuse and acute angles and compare and order angles up to two right angles by size. Compare and classify geometric shapes including quadrilaterals and triangles and polygons based on their properties and size. Identify lines of symmetry in 2D shapes presented in different orientations. Complete a simple symmetric figure with respect to a specific line of symmetry.

Week 9 Statistics

Interpret and present continuous and discrete data using appropriate graphical methods including bar charts and time graphs. Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.

Week 10 - 11 Geometry – Position and direction

Describe position on a 2D grid as co-ordinates in the first quadrant. Plot specific co-ordinates and draw sides to complete a given polygon. Describe movements between positions as translations of a given unit to the left/right up/down

Some of the Vocabulary used:

Decimals. Tenths, hundredths, number bonds,
Estimate, Compare, pounds and pence, decimal notation, decimal point.

Analogue, digital, hour, minute, second, days, weeks, months, years.
Bar charts, pictograms, graphs, tables, discrete data, comparison.

Obtuse, acute, right angle, degrees, ascending, descending, rotate, horizontal, classify, isosceles, scalene, equilateral, square, triangle, trapezium, rhombus, parallelogram, polygon, lines of symmetry.
Co-ordinates, quadrant, axis, plotting, translation.

Examples of Tasks/activities informed by National Curriculum:

1. Rapid recall of times table facts.
2. Convert between different units of time.
3. Children gather data and display in bar charts and other graphs.
4. Sort angles into acute, obtuse and right angle
5. Using a large grid children physically move around a grid and plot positions.
6. Using the RUCSAC method to solve word and real life problems.
7. Convert between different units of measure.
8. Use bar modelling to solve word problems
9. Mixed pairs and group work activities.
10. Independent or supported work in books to practise new skills.

Examples of Selected Resources Used:

IR teaching tools

Smart notebook

BBC Super movers

Classroom secrets