Gr 4 MATHS SYLLABUS

Term 1

Module 1: Place Value

1. Odd and even numbers
2. Expanded notation up to 100 000
3. Place values up to 1 000 000
4. Compare and order numbers
5. Round off to nearest 1 000 000
6. Complete patterns: forward and backwards up to 3 multiples of different nrs
7. Double or halve 4-digit numbers
8. Add by making groups of 10

Module 2: Addition and Subtraction

1. Addition with 5-digit numbers
2. Subtraction with 5-digit numbers
3. Estimate by rounding off
4. Re-order numbers in groups of 10's
5. Mental maths of round numbers
6. Do addition and subtraction word sums and problem solving

Module 3: Multiplication

1. Do mental maths up to 12x
2. x with 10, 100, 1 000
3. x with round numbers eg. 20 x 300
4. x with 4-digit number at the top and 2-digit number at the bottom
5. Do factor trees
6. Find and write factors and multiples
7. Estimate by rounding off
8. Understand exponents of 2 and 3 eg. 3^2, 4^3
9. Do word sums and problem solving

Term 2

Module 4: Division

1. Do mental maths up to 12 ÷
2. ÷ by 10, 100, 1 000
3. ÷ by round numbers eg. 2100 ÷ 30
4. ÷ by 2-digit numbers
5. Estimate by rounding off
6. Interpret remainders
7. Order of operations
8. Do word sums and problem solving
9. Sum of, difference, product of, quotient

Module 5: Common Fractions

1. Do conversions:
Proper-, improper-, mixed fractions
2. Simplify fractions
3. Find equivalent fractions
4. Count in fractional intervals
5. Compare fractions
6. Add and subtract with equal denominators
7. Add and subtract with unlike denominators
8. Add and subtract with mixed fractions
9. Do word sums with fractions in it
10. Find a fraction of a whole eg. ⅓ of 24

Term 3

Module 6: Decimal Fractions

1. Decimal place values
2. Conversions between fractions & decimal fractions
3. Compare fractions & decimal fractions
4. Round off to nearest t, h, th
5. Estimate by rounding off
6. Compare and order decimal fractions

Module 7: Measurement

1. Understand and measure MASS (t,kg,g) LENGTH (km,m,cm,mm) and CAPACITY (kl,l,ml)
2. LENGTH: Convert from one unit to another
3. MASS: Convert from one unit to another
4. CAPACITY: Convert from one unit to another
5. Add and subtract (using conversions)
8. Do word sums and problem solving

Module 11: Problem Solving

1. Use different strategies to solve problems.

Module 8: Graphs & Data

1. Complete bar graphs & pictographs
2. Interpret bar graphs & pictographs
3. Describe the data and make predictions
3. Use simple tables to represent data
4. Organize data in tallies

Term 4

Module 9: Time

1. Convert time units (sec, min, h, d, w)
2. Indicate the time on an analogue clock
3. Convert standard time into international time
4. Convert international time into standard time
5. Calculate length of time
6. Mental maths: Add & subtract (using conversions)

Module 10: Geometry

1. Name 2- and 3-dimentional shapes
2. Recognise parallel lines, intersections, rays, perpendicular lines, lines and line segments
3. Name triangles according to their sides - equilateral, isosceles, scalene
4. Name triangles according to their angles - acute, right, obtuse
5. Draw lines of symmetry
6. Perimeter of squares / rectangles, using the formula
7. Area of squares / rectangles, using the formula
8. Count faces, vertices and edges (3D shape)
9. Recognize radius and diameter on a circle
10. Write / read coordinates on a grid