

Gr 6 MATHS SYLLABUS

Term 1	Term 2	Term 3	Term 4
Module 1: Place Value, Addition, Subtraction	Module 4: Time	Module 7: Rates and Ratio	Module 11: Probability
<ol style="list-style-type: none"> 1. Place values: wholes & decimal numbers 2. Round off to wholes & decimal place values 3. Compare & order wholes and decimal nrs 4. Complete sequences/patterns. 5. Double and halve whole nrs 6. Add and subtract large numbers 7. Estimate by rounding off 8. Add by making groups of 10's 9. Sum of & Difference 10. Word sums and Problem solving 	<ol style="list-style-type: none"> 1. Read and write time 2. Convert to different unites (w, d, h, min, sec) 3. Time concepts: century, decade, millennium 4. Convert international and standard time 5. Measure time (time passes) 6. Word sums and Problem solving (+, -, x, ÷) 	<ol style="list-style-type: none"> 1. Write as a ratio 2. Equivalent ratios 3. Simplify ratios 4. Word sums and Problem solving, using ratios 	<ol style="list-style-type: none"> 1. Determine and interpret probability 2. Draw tree diagrams and determine the number of combinations (outcomes)
Module 2: Multiplication and Division	Module 5: Decimal Fractions	Module 8: Measurement	Module 12: Geometry
<ol style="list-style-type: none"> 1. Multiply and divide with large numbers 2. Prime factorization 3. Greatest Common Factor 4. Least Common Multiple 5. Exponents e.g 2^4 6. Square roots 7. Interpret remainders 8. Find averages 9. x and ÷ by 10, 100, 1000 10. x and ÷ with exponents of 10 e.g 30×200 11. Order of operations 12. Short cut methods (solve problems x and ÷) 13. Word sums and Problem solving 	<ol style="list-style-type: none"> 1. Decimal place values 2. Conversions: fractions & decimal fractions 3. Compare and order common fractions and decimal fractions 4. Estimate and rounding off 5. ÷ and x by 10, 100, 1 000 6. Descending and ascending order 7. Understand money 8. ÷ and x decimal fractions with wholes 9. ÷ and x decimal nrs with decimal nrs 10. Mixed operations with decimals & fractions 11. ÷ and x with exponents of 10 (eg. $4.5 \div 30$) 12. Word sums and Problem solving (+, -, x, ÷) 13. Word sums and Problem solving involving conversions (decimals and fractions) 	<ol style="list-style-type: none"> 1. Conversions of units MASS: g, kg, ton 2. Conversions of units CAPACITY: ml, liter, kl 3. Conversions of units LENGTH: mm, cm, m, km 4. Compare different units (= < >) 5. Word sums and Problem solving: + - x ÷ 	<ol style="list-style-type: none"> 1. Recognize and name 2D- and 3D-shapes 2. Use a protractor construct angles 3. Use protractor to measure size of an angle 4. Draw lines of symmetry 5. Transformations: translations and reflections 6. Use a protractor and compass to construct congruent angles 7. Bisect line segments using compass 8. Bisect angles, using compass 9. Plot and read coordinates on grid paper 10. Classify triangle according to sides & angles 11. Construct & name lines, line segments, rays, parallel lines and perpendicular lines 12. Edges, vertices and surfaces on a 3D-shape 13. Perimeter of rectangles and squares 14. Area of rectangles/squares (also combination of shapes) - using formula 15. Volume of rectangle/square - using formula 16. Word sums and Problem solving (+, -, x, ÷)
Module 3: Fractions	Module 6: Percentages	Module 9: Equations	Module 13: Problem solving
<ol style="list-style-type: none"> 1. Conversions: proper -, improper - and mixed fractions 2. Simplify and find equivalent fractions 3. Compare fractions (= < >) 4. Add and subtract mixed fractions with unlike denominators (using order of operations) 5. Find fraction of a whole ($\frac{1}{4}$ of 24) 6. Descending and ascending order 7. Multiply wholes with fractions 8. Multiply fractions with fractions ($\frac{1}{2}$ of $\frac{3}{4}$) 9. Word sums and problem solving (+, -, x) 	<ol style="list-style-type: none"> 1. Conversions: % to fraction with denominator of 100 2. Conversions: % to decimal fractions 3. Conversions: fraction or decimal to % 4. Compare: %, decimal nrs, fractions (= < >) 5. Find % of a whole 6. Calculate and compare % test results 7. Write 1 quantity as % of another quantity 8. Word sums and Problem solving involving conversions and +, -, x, ÷ 9. Word sums and Problem solving involving conversions (decimals, fractions and %) 	<ol style="list-style-type: none"> 1. Solve equations by inspection 2. Write equations 3. Complete tables by solving the equation 4. Complete tables by solving the input nr 	<ol style="list-style-type: none"> 1. Use different strategies to solve problems
Module 10: Data and Graphs		Module 10: Data and Graphs	
		<ol style="list-style-type: none"> 1. Present data on a bar graph, pie graph, pictograph and tally 2. Interpret data, draw conclusions and make predictions 3. Mean, median, range and mode (whole nrs) 4. Word sums and Problem solving (+, -, x, ÷) 5. Word sums and Problem solving involving decimal nrs, fractions and % 	