

Week	Pd	Theme	Topic	Content	Life skills	Competences		Sug. Act.	L/material	Methods	Res.	Rem.
						Subject	Language					
1		NUMERACY	Fractions	<ul style="list-style-type: none"> - Addition of fractions. - Subtraction of fractions - Word problems on Addition & subtraction of fractions. 	- Effective	The learner: <ul style="list-style-type: none"> - adds fractions - subtracts fractions 	The learner: <ul style="list-style-type: none"> reads and uses the words fraction, add, subtraction 	<ul style="list-style-type: none"> - adding fraction. - Subtracting fraction. 	<ul style="list-style-type: none"> - chalkboard - illustrations - real objects e.g fruits, bread, papers. 	Demonstration Discussion Guided discovery	Supl. MTC pg. 34 – 43, Understanding MTC Bk 6 pg. 77 - 91 - MTC Bk 6. pg 106 - 122	
				Multiplication of fractions <ul style="list-style-type: none"> - by whole numbers and vice versa. - fraction by fraction - word problems. 		Multiplies fractions	The learner: <ul style="list-style-type: none"> reads and uses the words multiplication, fraction, 	<ul style="list-style-type: none"> - Revising multiplication tables, - Multiplying fractions 				
			Fractions	Division of fractions. <ul style="list-style-type: none"> - by whole number and vice versa. - fraction by fraction - word problems 	communication	Divides fraction	The learner: <ul style="list-style-type: none"> reads and uses the words division, fraction 	Dividing fractions.				

		NUMERACY	Fractions	Mixed operations on fractions. -Application of fractions in real life situations. -Place values of decimals -operations on decimals * Addition/ subtract * Multiplication * Division * Mixed operations * word problems	- Effective communication - problem solving.	- applies "BODMAS" - applies fractions in real life situations - finds place values and values of digits in decimals - carries out operations on decimals	The learner: reads and uses the words mixed operations, brackets, BODMAS, decimal names, word problems involving decimals and vulgar fractions	- Applying the knowledge of BODMAS - Solving problem in real life. - Identifying place values of decimals - carrying out operations	- chalkboard - illustrations - real objects e.g fruits, bread, papers.	Demonstration Discussion Guided discovery	Math Aid std 8 pg 27 - 49	
			Fractions	- Rounding off decimals * review of rounding off to nearest tenth, hundredth & thousandth.		- Reads and uses vocabulary on fractions - round off decimals	The learner: Uses and reads the words rounding off, tenth, hundredth, thousandth in sentences.	- Rounding off decimals				
			Fractions	- Ratios and proportion * expressing ratios as fractions & vice versa * sharing using ratios. * Increasing & decreasing using ratios. * finding the ratio of increase or decrease. * application of ratios.		- Identifies the relationship between ratios & proportions	The learner: Uses and reads the words ratio, proportion, sharing in ratios, increasing and decreasing using ratios, in sentences.	- solving problems involving ratio & proportions	- chalkboard - illustrations	Demonstration Discussion	Supl MTC pg 125 – 126, Mk Bk 6 pg 124 - 138	
				Proportion * direct proportion * inverse (indirect) * constant		Identifies the relationship b/n ratios & proportions						

		NUMERACY	Fract ions	<ul style="list-style-type: none"> - simple interest * finding simple interest * per month & per annum * finding amount * finding time * finding rate * finding the principal 	- Problem solving - Effective communication	<ul style="list-style-type: none"> - solves problems involving interest - Explains the relationship between amount, time, rate and principal. 	The learner: reads uses the words interest, annum, time, rate, and principal in a sentence.	- Solving problems involving interest.	Chalkboard illustrations	discussion	- Supl MTC pg 139 - 140	
		INTERPRETATION OF GRAPHS AND DATA	DATA HANDLING	<ul style="list-style-type: none"> - Collection of data. - Presentation of data in table * pictograms/ pictographs * pie chart * bar graphs * line graphs - Simple statistics * mode, median, mean, modal freq. * frequency, - probability 		The learner; <ul style="list-style-type: none"> - Collects data - presents data in tables & pictures - Presents & in a pie chart - presents & interprets data in a line graph. - calculate simple statistics - Calculate probabilities of simple events. - reads & uses the following vocabularies correctly graph, data, pie – chart, line graph, scale, statistics probability, mean, median, mode & range. 	The learner: Uses the words data, pictographs, pie charts, bar graph, mode, median, mean, frequency, probability in a sentence	<ul style="list-style-type: none"> - collecting data from different sources. - representing data in tabular form. - presenting data in pie charts & line graphs. - Calculating simple statistics. - calculating probabilities - working out problems involving pie charts & line graphs. 	<ul style="list-style-type: none"> - graph charts - real objects - chalkboard illustrations 	Discussion Discovery	Supl. MTC pg 117, Pr. MTC Rev& Prac pg 99 – 107, 108, 112 Und. MTC bk 6 pg. pg 132 – 160, Mk MTC 6 pg. 163 - 190	

			Distance, Time & speed	<ul style="list-style-type: none"> - Time *Changing hours to minutes & viseversa *Changing minutes to seconds & viseversa * Changing hrs to seconds & viseversa * 12 & 24 hr clocks * time duration - Distance - Speed * km/hr to metres per second * average speed. - travel graphs. 	<ul style="list-style-type: none"> - Effective communication. - Decision making, problem solving 	<ul style="list-style-type: none"> - converts time - Solves problems involving time. - applies formulae to find time, speed & distance. - Solving problems involving speed. -Interpretes a travel graph. - reads distance speed & time from travel graph. - plots distance time graphs. 	The learner: reads uses the words distance, speed, time in a sentence	<ul style="list-style-type: none"> - changing time - reading and writing time - converting from 12 to 24 hr clock viseverse - applying formulae relating to dist, time & speed. - reading distance time from the graph. Drawing graphs.	<ul style="list-style-type: none"> -Wall clocks -charts -graph books -Chalkboard -illustrations 	Discussion Chalkboard Illustration Guided discovery	Mk bk 6 pg 222 – 241, Sulp. MTC pg 132 – 134, Math Aid std 8 pg 120 – 122, Pr. MTC pg 24 – 26.	
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P.6 MATHS SCHEME OF WORK TERM III

Week	Pd	Theme	Topic	Sub-topic	Competences		Content	Methods & techniques	Life skills & values	Suggested activities	T/L aids	Rf	Rm
					Subject	Language							
1	1	MEASUREMENTS	Length, Mass & Capacity	Circumference	The learners. - Solves problems involving circumference. - Applies the use of formulae for circumference in real life situation.	The learner: - reads and uses the following vocabularies correctly: circumference, pi, diameter, radius.	-Find circumference when diameter is given. -Radius is given. - Finding the diameter when circumference is given. - finding the radius when circumference is given.	Guided Discovery Discussion Demonstration	Creative thinking Effective communication Problem solving	-Measuring the length of a straight string. - Making a circle with the same string and measuring the circumference. -Comparing the length and circumference.	-Text books -Circular objects -Strings -Threads		
				Area	-Solves problems involving area of different figures. - Applies the use of formulae for area in real life situations.	-Reads and uses area, square units correctly. - Describes area correctly. -Constructs English sentences using area.	-Area of triangles i. Scalene ii. Triangles with different bases and heights. -Area of rectangle. Area of borders. -Area of parallelogram -Area of trapezium -Area of rhombus -Area of kite -T.S.A of a cube & cuboids.	Discussion Guided Discovery		-Practically using a small square to calculate the area of the figure.	-Textbooks -Boxes -Squares		

				Volume	<ul style="list-style-type: none"> -Solves problems involving volume. -Applies the use of formulae for volume in real life situations. 	<ul style="list-style-type: none"> -reads and uses correctly. -Cubic units -Describes volume correctly -Constructs English sentences using the word volume. 	<ul style="list-style-type: none"> -Volume of a cube. -Volume of a cuboid. -Finding height, width or length when volume is given. -Volume of triangular prism. -Packing cubes and cuboids in a big container. 	<ul style="list-style-type: none"> -Discussion -Guided -Discovery 		<ul style="list-style-type: none"> -Measuring -Comparing numbers of smaller containers packed in big container. 			
			Length, Mass & Capacity	Capacity	<ul style="list-style-type: none"> -Solves problems involving capacity. -Applies the use of formulae for capacity in real life situations. 	<ul style="list-style-type: none"> -reads and uses capacity, litres, cubic units. -Describes capacity correctly. -Constructs sentences using capacity. 	<ul style="list-style-type: none"> -Conversion of units of capacity. -Relate the units of capacity to those of volume. -Finding capacity of cubes & cuboids. -Finding height, length or width when capacity is given. -Application of capacity. 	<ul style="list-style-type: none"> -Guided discovery -Discussion -Demonstration 	Creative thinking Effective communication Problem solving	<ul style="list-style-type: none"> -Using standard containers to find the capacity of a container. -Comparing the number of smaller containers poured in big containers. 	Containers like bottles, cubes, tins, measuring cylinder, etc.		

		GEOMETRY	Lines, Angles & Geometrical figures.	Construction of angles.	-Constructs angles 30° , 45° , 60° and 90° and their supplements.	-Constructs correct English sentences using the word bisect, supplement, arc, etc.	-Construction of 60° and 90° . -Bisecting angles to get 30° and 45° and their supplements.	Guided discovery Demonstration		-Using geometric instruments to construct angles.	Geometric instruments.		
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				Construction of polygons	Constructs polygons.	-Constructs correct English sentences using the word polygons, angles	-Construction of triangles, squares, rectangles, pentagon and Octagon and nonagon.	-Guided discovery	Critical thinking Effective communication Creative thinking	-Using geometric instruments to construct polygons.	Geometric instruments.		
				Construction of parallel & perpendicular lines.	-Constructs parallel and perpendicular lines. _Uses the symbols of parallel and perpendicular lines.	-Uses and reads the following vocabulary: perpendicular, parallel, arc, bisect, etc	-Construction of parallel and perpendicular lines and using corresponding symbols.	-Guided discovery -Discussion		-Using geometric instruments to construct parallel lines, perpendicular lines.	Geometric instruments.		

				Complementary & Supplementary angles	-Works out complementary and supplementary angles.	-Reads and uses the following vocabularies correctly: - Complementary and supplementary.	-Complementary angles -Supplementary angles -Angles in a triangle.	Discussion		-Naming complementary and supplementary angles. -Identifying supplementary and complementary angles.	Charts		
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				Angles in parallel lines.	-Identifies angles found in parallel lines. -Solves angle problems in parallel lines.	-Reads and uses the following vocabularies correctly: -transversal lines, alternate angles, corresponding angles, Co-interior angles, vertically opposite.	-Vertically opposite angles -Co-interior angles -Corresponding angles -Alternate angles	-Guided discovery -Discussion	Critical thinking Effective communication Creative thinking	-Identifying angles formed on parallel lines. -Naming angles	Geometric instruments.		
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				Quadrilaterals	-Identifies quadrilaterals and their classification.	-Reads and uses the following vocabularies: quadrilaterals.	Quadrilaterals and their properties.	-Guided discovery		-Using geometric instruments to construct parallel lines, perpendicular lines.	Geometric instruments.		
				Pythagoras' theorem.	-Applies Pythagoras' theorem to find the sides of a right-angled triangles.	-Reads and uses the words Pythagoras theorem	Pythagoras theorem and application.	-Guided discovery -Demonstration		-Constructing right-angled triangle. -Using small squares to derive the Pythagoras' theorem.	Geometric instruments.		

		NUMERACY	INTEGERS	Addition of integers.	-Adds integers -Plots integers.	-Reads and uses the vocabularies below: integers, positive, negative, additive inverse, forward, backward	-Addition of integers on a number line. -Addition of integers without a number line.	-Discussion	Critical thinking Effective communication Creative thinking	-Drawing a number line -Plotting on number line -Adding integers -Adding integers on number line and without number line.	Rulers Charts		
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				Subtraction of integers.	-Subtracts integers -Plots integers	-Constructs sentences using the word integers.	-Subtraction of integers on a number line. -Addition of integers without a number line.	-Discussion		-Drawing a number line. -Subtracting integers with and without a number line.	Rulers Charts		
				Multiplication of integers.	-Multiplying integers.	-Reads and use the words. -Multiplication of integers.	-Multiplication of integers on a number line. -Multiplication of integers without a number line.	-Discussion -Guided discovery		-Drawing number line. -Plotting integers on number line.			
				Division of integers	Dividing integers.	-Reads and use the words division of integers.	-Division of integers on a number line. -Division of integers without a number line.	Discussion Guided discovery		Drawing and plotting integers on a number line.	Rulers Charts		
				Application of integers.	-Gives examples of where integers are applied in daily life.	Explains situations where integers can be applied.	Application of integers.	Discussion Demonstration		-Describing ways in which integers are used in daily life.	Rulers Charts		

		ALGEBRA	ALGEBRA	Forming algebraic	-Simplifying algebraic expressions.	-Reads and uses the words algebraic, algebra, expression, like terms.	-Algebraic expressions. -Collecting and simplifying like terms.	-Discussion Demonstration	-Critical thinking -Problem solving -Creative	-Identifying unknowns. -Identifying like terms. -Simplifying algebraic equations.	Real objects Chalkboards		
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				Removing brackets.	Removes brackets and simplifies expressions.	Reads and uses the words: Brackets, expression, variables.	-Removing brackets -Simplifying expressions	-Discussion Demonstration		-Drawing a numberline. -Subtracting integers with and without a number line.	Chalkboards illustrations		
			Subtraction		-Substituting values for the unknown.	-Reads and use the words: substitute unknown value correctly.	Substitution	Discussion		-Substituting and finding values of expressions.	Chalkboards illustrations		
				Forming equations.	Forming equations -Solving equations	-Reads and use the words equation, solve inequality, etc.	-Forming equations -Solving equations involving all operations. -Solving fractional equations. -Solving inequalities.	Discussion		-Finding the value of unknown. -Finding like terms.	Chalkboards illustrations		