ENGLISH MATHEMATICS _2023 WEEKLY TEACHING PLAN _ GRADE 6

TERM 1	Week 1 3 days	Week 2 5 days	Week 3 5 days	Week 4 5 days:	Week 5 5 days	Week 6 5 days	Week 7 5 days	Week 8 5 days	Week 9 5 days	Week 10 3/5 days	Week 11 5/3 days
Hours per			12 I		-	hrs.	3 hrs	12 l		3/6 hrs	6/3 hrs
topic											
Topics, concepts and skills	REVISION OF G (to be integrated topics, according	d into the	WHOLE NUMBERS Addition and subtra	OLE NUMBERS: WH ition and subtraction Mul			FORMAL ASSESSMENT TASK	WHOLE NUMBERS Division	:	REVISION	FORMAL ASSESSMENT TASK
and skins	•		Number range for c	alculations	Number range for cald	culations		Number range for o	alculations		TEST
	WHOLE NUMBERS: Counting, ordering, comparing, representing and place value (6 – 9 digit numbers)		Addition and sub- numbers with at I digit numbers Calculation techniq	east 5-digit and 6-	digit numbers	east whole 4-digit by 3- on whole numbers with s	ASSIGNMENT Whole numbers Counting, ordering, comparing, representing	Division of at least 3-digit numbers Multiple operation numbers with or Calculation technique.	ns on whole without brackets		All topics
	 least 9-digit Represent p to at least 10 Recognize t of digits in w to at least 9- 	umbers up to at numbers vrime numbers 200 he place value vhole numbers digit numbers the nearest 5,	Use any two of the techniques to permitten and ments whole numbers in adding, subtrated and ments whole numbers. Building up are numbers. I rounding off a using a number. Using a number and using a calcumber. Ensure that the not compromised understanding. Calculator must check the correspolution. Properties of whole. Recognize and using the control of the compromised understanding.	he range of form and check al calculations with including: acting in columns and breaking down and compensating per line in and subtraction as ations lator strategies used do e conceptual conly be used to ctness of the e numbers se the commutative; ibutive properties of additive property involving whole ing: exts	Use any two of the perform and check calculations with when estimation multiplying in compute a doubling and has a using multiplicate inverse operation using a calculate inverse operation. Ensure that the structure compromise concervities of a calculator must on the correctness of the correctness of the correctness of the correctness of a calculator must on the correctness of a calculator must on the correctness of a calculator must on the correctness of the correctness of the correctness of a calculator must on the correctness of a calculator must on the correctness of the corre	range of techniques to written and mental cole numbers including: lumns breaking down lving ion and division as as as or rategies used do not reptual understanding ally be used to check the solution tiples and factors and 3-digit numbers and 3-digit numbers and 3-digit whole anbers to at least 100 rumbers the commutative; tive properties of whole tiplicative property olving whole numbers, as ontexts or more quantities of the	representing and place value • Addition and subtraction • Multiplicatio n Note: Assignment to be completed in class within 3 hrs	Use any two of the techniques to perwritten and mentwhole numbers in substitution and different kinds of the same kers and to personal to the comparing two of the same kers and mentwhole and the comparing two of the same kers and mentwhole to the comparing two of the same kers and mentwhole to the comparing two of the same kers and mentwhole to the comparing two different kinds. Use any two of the techniques to personal mentwhole to personal mentwhole to personal mentwhole the comparing two of the same kers and the comparing the compari	he range of form and check all calculations with including: Ind breaking down cation and division erations lator Strategies used do conceptual Conly be used to ctness of the Inumbers See the distributive enumbers nultiplicative Involving whole ing: Extension or more quantities ind (ratio) wo quantities of		

Prerequis te skill or pre- knowledg e	cor and (4 – • Re	ounting, ordering, mparing, representing d place value of - 6 digit numbers) present odd and even mbers to at least 1 000.	•	Addition and Subtraction of 5-digit numbers Properties of operations with whole numbers	•	Multiplication of 3-digit by 2-digit numbers Prime numbers Multiples of 2-digits whole numbers to at least 100 Factors of 2-digit whole numbers to at least 100 Properties of operations with whole numbers		•	Division of 3-digit by 2-digit numbers Multiples of 2-digits whole numbers to at least 100 Factors of 2-digit whole numbers to at least 100 Properties of operations with whole numbers			
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TERM 2		Week 1 3 days	Week 2 5 days	Week 3 3 days	Week 4 4 days	Week 5 5 days	Week 6 5 days	Week 7 5 days	Week 8 5 days	Week 9 5 days	Week 10 4 days	Week 11 5 days	
Hours per	3 hrs		hrs	6 hrs	6 hrs	Gayo	15 hrs		12 hrs.		4 hrs	6 hrs	
topic	FORMAL	NUMBER SENTENCES		NUMERIC PATTERNS	GEOMETRIC PATTERNS		FRACTIONS		DECIMAL FRA		REVISION OF	ASSESSMENT	
Topics, concepts and skills	ASSESSMENT TASK INVESTIGATION Note: Administer an investigation on any ONE of the Term 2 topics before teaching it.	Write nursentence problems Solve and numbers inspe trial a impro Check so substitution	nber s to describe situations d complete entences by: ction nd vement lutions by on	Investigate and extend patterns Investigate and extend numeric patterns looking for relationships or rules of patterns: Sequences not limited to a constant difference or ratio Input and output values Input and output values Determine input values, output values and rules for the patterns and relationships using: Input and output values Determine equivalence of different descriptions of the same relationship or rule presented: verbally in a flow diagram in a table by a number sentence	Investigate and extend geometric patterns Investigate and extend geometric patterns looking for relationships or rules of patterns: represented in physical or diagram form sequences not limited to a constant difference or ratio of learner's own creation Describe observed relationships or rules in learner's own words Input and output values Determine input values, output values and rules for the patterns and relationships using: flow diagrams flow diagrams tables Equivalent forms Determine equivalence of different descriptions of the same relationship or rule presented: verbally in a flow diagram in a table by a number sentence	Describing fractions Compa fraction tenths a Calculation Addition commo one der of anoth Addition mixed r Fraction Solving pr Solve prinvolving including sharing Percentag Find pernumber Equivalent Recogn forms of with 1-condenoming which condenoming the compact of the condenoming the	g and ordering re and order as, including seand hundredted and subtraction fractions in mominator is a sher and subtraction of whole not and subtractions of subtractions of subtractions of common fractions of another) and equivaler and	common pecifically hs ions: etion of which a multiple etion of umbers ontexts actions, and whole equivalent actions ons in ator is a once action and	Recognizing, or place value of fractions Count forwards in fractions to decimal place. Compare and decimal fractions with two decimal fractions. Addition and decimal fractions. Addition and decimal fractions. Multiply decimal fractions with two decimal fractions. Multiply decimal fractions with two decimal fractions. Recognize of the same. Recognize of the same. Recognize of the same. Recognize of the same of the sam	ordering and decimal ards and in decimal at least two ces and order ctions to at least places of digits to at ecimal places with decimal decimal places with decimal fractions of at least places cimal fractions on the certain fraction forms: equivalence mmon fraction of the er	TERM 1 & 2 WORK	TASK TEST All Term 1 & 2 topics	
Prerequisi te skill or pre- knowledg e		Number se the level o	entences at f grade 5	 Investigate and extend patterns Describe patterns in own words Describe general rules observed in patterns Determine input and output values 	 Investigate and extend patterns Describe patterns in own words 	• Equal s	ns of whole n	umbers	 Common fra Percentage Compare ar and hundred Fractions of numbers Equivalence 	s nd order tenths dths whole			

TERM 3		Week 1 4 days	Week 2 5 days	Week 3 5 days	Week 4 4 days	Week 5 5 days	Week 6 5 days	Week 7 5 days	Week 8 5 days	Week 9 5 days	Week 10 5 days	Week 11 4 days
Hours per topic	-	6 hrs		12 hrs		91		6 hrs	9 h		6 hrs.	4 hrs.
Topics, concepts and skills	FORMAL ASSESSMENT TASK PROJECT Note: The project must cover a combination of topics from Term 1 - 3 and must be completed before the end of Term 3	LENGTH Practical measuring Estimate and practically measure 2-D shapes and 3-D objects using measuring instruments such as: — rulers — metre sticks — tape measures — trundle wheels Record, compare and order lengths of shapes and objects in millimetres (mm), centimetres (cm), metres (m), kilometres (km) Calculations and problem-solving Solve problems in contexts involving length Convert between millimetres (mm), centimetres (cm), metres (m) and kilometres (km) Conversions should include common fractions and decimal fractions forms to 2 decimal places	Range of Page 1	ATIES OF 2-D S of shapes ar and irregular riangles, square ectangles, para ather quadrilater rentagons, hexa reptagons, octa- certaities and difference rectangles a relograms as of shapes ribe, sort and consistency of sides right of sides right obtuse right reflex revolution ractivities 2-D shapes on circles, patterns atterns with circle for compasses gnize and name ing angles in 2- ricute right retires compasses	grid paper s in circles eles using a	2-D shape in on following ways: - by rotation - by translatic - by reflection Use transformation tessellations • Make tessellated including some symmetry by trace 2-D shapes in of following ways: - by rotation - by translatic - by reflection Describe pattern • Refer to lines, 2 objects and/or line and/or translation describing patte - in nature - from model - from our cut Enlargement and	and describe y in 2-D shapes ONS (6 Hrs) ons to make s 2-D shapes s with line cing and moving a e or more of the on ons to make d patterns catterns with line cing and moving ne or more of the on	PROPERTIES OF 3-D OBJECTS Range of objects Recognize, visualize and name 3-D objects in the environment and geometric settings, focusing on: - rectangular prisms - cubes - tetrahedrons - pyramids Similarities and differences between tetrahedrons and other pyramids Characteristics of objects Describe, sort and compare 3-D objects in terms of: - number and shape of faces - number of vertices - number of edges Further activities Make 3-D models using: - drinking straws, toothpicks etc. - nets	Perimeter • Measure pusing ruler measuring Measuremer • Continue to of regular ashapes by squares or Develop rucalculating squares ar Measuremer • Continue to volume/capobjects by filling them • Develop arunderstand the volume rectangula given by lemultiplied to multiplied to multiplied to the volume rectangula given by lemultiplied to multiplied to the volume rectangula given by lemultiplied to the volume rectangula given by lemultiplied to multiplied to the volume rectangula given by lemultiplied to the volume rectangula given b	of ind areas and irregular counting a grids ales for the areas of and rectangles and rectangles are of ind pacity of packing or and area of and area of and squares. It is between and squares. It is possible to the area of and squares. It is possible to the area of and squares. It is possible to the area of and squares.	REVISION	FORMAL ASSESSMENT TASKS TEST All Term 3 topics

Prerequisit e skill or pre- knowledge	COMMISSION NACIONAL	Similarities and differences between squares and rectangles Recognize and describe angles in 2-D shapes: - right angles - angles smaller than right angles - angles greater than right angles Describe, sort and compare 2-D shapes in terms of - straight and curved sides - number of sides - lengths of sides - angles in shapes, limited to right angles, angles smaller than right angles and angles greater than right angles	 2D shapes Symmetry Similarities and differences between cubes and rectangular prisms Describe, sort and compare 3-D objects in terms of: shape of faces number of faces flat and curved surfaces 				
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TERM 4	Week 1 4 days	Week 2 5 days	Week 3 5 days	Week 4 5 days:	Week 5 5 days	Week 6 5 days	Week 7 5 days	Week 8 5 days	Week 9 5 days	Week 10 3 days
Hours per topic	9 hrs. 6 hrs.		6 hrs. 6 hrs.		2 hrs.	6 hrs	6 hrs	6 hrs	3 hrs.	
Topics, concepts and skills	MASS Practical measuring		Practical Measuring • Estimate and practically measure 3-D objects using measuring instruments such as: - measuring spoons - measuring cups, - measuring jugs • Record, compare and order capacity and volume of 3D objects in millilitres (ml), litres (l) and kilolitres (kl) Calculations and problem- solving • Solve problems in contexts involving capacity/volume • Convert between kilolitres, litres and millilitres to include fraction and decimal forms (to 2 decimal places)	Collecting and organising data Collect data Use tally marks and tables for recording Use simple questionnaires (yes/no type response) Order data from smallest group to largest group Note: PROVIDE LEARNERS WITH DATA TO SAVE TIME Representing data Draw a variety of graphs to display and interpret data including: pictographs with many-to-one representations bar graphs and double bar graphs Analysing, interpreting and reporting data Critically read and interpret data represented in: words pictographs bar graphs double bar graphs double bar graphs bar double bar graphs bar graphs double bar graphs double bar graphs bar double bar graphs challse data by answering questions related to: data categories, including data intervals data sources and contexts central tendencies — (mode and median) Summarise data verbally and in short written paragraphs that include drawing conclusions about the data making predictions based on the		USE ALL FOUR BASIC OPERATIONS TO SOLVE PROBLEMS IN CONTEXT Solving problems - Solve problems in contexts involving whole numbers and fractions, including: - financial contexts - measurement contexts - fractions, including grouping and equal sharing - comparing two or more quantities of the same kind (ratio) - comparing two quantities of different kinds (rate)	REVISION	TAS TAS TE Term 3 & 4 to fundamental Term 1 & 2	ST opics and	
Prerequisi te skill or pre- knowledg e		omparing and ss ing ss ems in s limited to ers and	 Calculation of the number of days between any two dates within the same or consecutive years Calculation of time intervals where time is given in minutes or hours only 	Number sentences All operations with whole numbers, common fractions and decimal fractions						