#### DEPARTMENTAL SCHEMES TERM ONE-2025

## TEACHER'S NAME: <u>MAKUMBI FREDRICK</u> CLASS: <u>S.2</u> SUBJECT: <u>MATHEMATICS</u>

WK	PRD	SUBTOPIC OUTCOME GY AIDS S		REFERENCE S	REMARK S				
1	2	REVIEW OF THE LAST TERMS WORK AND CORRECTIONS FOR EOT EXAMS							
2	4	TOPIC:	The learner	The student	Guided team	Charts	Baroque math		
		<b>PATTERNS</b>	should be able to	identifies domain	work	Learners	learners book		
		AND ALGEBRA	use arrow	and range of a	Question and	books	2		
			diagrams to	mapping	answer	pens	Internet		
		S/TOPIC 1:	represent		explanation				
		MAPPINGS	functions and						
		AND	relations						
		RELATIONS							
3	4	S/TOPIC2:	The learner	The learner	Guided team	Charts	Baroque math		
		VECTORS AND	should be able to	manipulates	work	Learners	learners book		
		TRANSLATION	define a	translations to	Question and	books	2		
		$\mathbf{S}$	translation and	find images of	answer	pens	Internet		
			a vector	objects	explanation				
4	4	GRAPHICAL	The learner	The learner	Guided team	Charts	Baroque math		
		REPRESENTAT	should be able to	manipulates	work	Learners	learners book		
		ION OF	draw graphs to	translations to	Question and	books	2		
		VECTORS AND	illustrate	find images of	answer	Pens	Internet		
		TRANSLATION	images and	objects	explanation	Graph			
		S	objects	graphically		papers			
5	4				F INTEGRATION				
6-7	8	TOPIC 2:	The learner	The learner	Guided team	Charts	Baroque math		
		DATA AND	should be able to	draws, reads and	work	Learners	learners book		
		PROBABILITY	tabulate values	interprets graphs	Question and	books	2		
			from a given	eg the distance	answer	Pens	Internet		
		S/TOPIC 1	relationship and	time graphs	explanation	Graph			
		GRAPHS	represent them graphically			papers			

12		<u> </u>		END OF TERM			
11	2		<u> </u>	ACTIVITY O	F INTEGRATIO	N	
10	4	INEQUALITIES AND REGIONS	The learner should be able to solve linear inequalities in one unknown	The learner uses graphs to solve the linear inequalities	Guided team work Question and answer explanation	Charts Learners books Pens Calculators	Baroque math learners book 2 Internet
9	4	INEQUALITIES AND REGIONS	The learner should be able to identify and use inequality symbols	The learner illustrates the inequalities graphically	Guided team work Question and answer explanation	Charts Learners books Pens Calculators	Baroque math learners book 2 Internet
8	4	STANDARD FORM AND THE CALCULATOR	The learner should be able to express numbers in standard form	The student uses a calculator to find powers and roots	Guided team work Question and answer explanation	Charts Learners books Pens Calculators	Baroque math learners book 2 Internet
8	4	TOPIC 3: NUMBERS S/TOPIC: INDICES	The learner should be able to give approximate answers to calculations	This is done by writing numbers to the required number of significant figures and decimal places	Guided team work Question and answer explanation	Charts Learners books Pens Calculators	Baroque math learners book 2 Internet

### DEPARTMENTAL SCHEMES TERM TWO-2025

# TEACHER'S NAME: MAKUMBI FREDRICK CLASS: S.2 SUBJECT: MATHEMATICS

WK	PRD	TOPIC AND SUBTOPIC	LEARNING OUTCOME	COMPETENCY	METHODOLOGY	TEACHING AIDS	REFERENCES	REMARKS	
1	REVIEW OF THE LAST TERMS WORK AND CORRECTIONS FOR EOT EXAMS								
2	4	ALGEBRA 2  QUADRATIC  EXPRESSIONS	The learner should be able to identify and recognize equivalent quadratic expressions	The learner expands different quadratic expressions and perfect squares	Guided team work Question and answer explanation	Charts Learners books Pens Calculators	Baroque math learners book 2 Internet		
3	4	ALGEBRA 2  QUADRATIC EXPRESSIONS	The learner should be able to factorize quadratic expressions and different of two squares	The learner factorizes different quadratic expressions and perfect squares	Guided team work Question and answer explanation	Charts Learners books Pens Calculators	Baroque math learners book 2 Internet		
4	4	ALGEBRA 2  QUADRATIC  EXPRESSIONS	The learner should be able to solve quadratic equations using factorization	The learner solves quadratic equations using factorization	Guided team work Question and answer explanation	Charts Learners books Pens Calculators	Baroque math learners book 2 Internet		
5	4				Y OF INTEGRATIO				
6	4	SIMILARITIES AND ENLARGEMENT	The learner should be able to identify similar figures and their properties	The learner applies fundamental skills of multiplication and division to find unknown sides	Guided team work Question and answer explanation	Charts Learners books Pens Calculators	Baroque math learners book 2 Internet		

7	4	SIMILARITIES	The learner	The learner	Guided team work	Charts	Baroque math
		AND	should be	graphically finds	Question and	Learners	learners book 2
		ENLARGEMENT	able to find	the center of	answer	books	Internet
			the image	enlargement and	explanation	Pens	
			under the	scale factor		Calculators	
			center of			Graph books	
			enlargement				
8	4	THE CIRCLE	The learner	Chord	Guided team work	Charts	Baroque math
			should be	Radius	Question and	Learners	learners book 2
			able to draw	Circumference	answer	books	Internet
			the circle and	Diameter	explanation	Calculators	
			name its	area		Graph books	
			parts				
9	4	THE CIRCLE	The learner	$c=2\pi r$	Guided team work	Charts	Baroque math
			should be		Question and	Learners	learners book 2
			able to find	$A=\pi r^2$	answer	books	Internet
			circumference		explanation	Calculators	
			and area of a			Graph books	
			circle				
9	2			1	Y OF INTEGRATIO	I .	,
10	4	ROTATION	The learner	the learner	Guided team work	Charts	Baroque math
			should be	distinguishes	Question and	Learners	learners book 2
			able to	between	answer	books	Internet
			identify the	clockwise and	explanation	Calculators	
			order of	anticlockwise		Graph books	
			rotational	rotation			
			symmetry of				
			figures				
11	4	ROTATION	The learner	The learner	Guided team work	Charts	Baroque math
			should be	applies	Question and	Learners	learners book 2
			able to find	properties of	answer	books	Internet
			center and	rotation in the	explanation	Calculators	
			angle of	Cartesian plane		Graph books	
			-	cartesian prane		_	
			rotation	careestan prane		1	
10			-	•	W OF INTEGRAL	-	
12 13			rotation	ACTIVIT	Y OF INTEGRATIO	-	

### DEPARTMENTAL SCHEMES TERM THREE-2025

### TEACHER'S NAME: MAKUMBI FREDRICK CLASS: S.2 SUBJECT: MATHEMATICS

WK	PRD	TOPIC AND	LEARNING	COMPETENCY	METHODOLOGY	TEACHING	REFERENCES	REMARKS	
		SUBTOPIC	OUTCOME			AIDS			
1	4	REVIEW OF THE LAST TERMS WORK AND CORRECTIONS FOR EOT EXAMS							
2	4	LENGTH AND	The learner	The learner	Guided team work	Charts	Baroque math		
		AREA OF 2	should be	describes the	Question and	Learners	learners book 2		
		DIMENSIONAL	able to	length of two	answer	books	Internet		
		GEOMETRICAL	describe the	dimensional	explanation	Calculators			
		FIGURES	length of two	figures		Graph books			
			dimensional						
			figures						
3	4	LENGTH AND	The learner	Two dimensional	Guided team work	Charts	Baroque math		
		AREA OF 2	should be	figures include	Question and	Learners	learners book 2		
		DIMENSIONAL	able to	squares,	answer	books	Internet		
		GEOMETRICAL	describe the	rectangles and	explanation	Calculators			
		FIGURES	area of two	triangles		Graph books			
			dimensional						
			figures						
4	4			ACTIVI	TY OF INTEGRATION	ON			
5	4	NETS, AREAS	The learner	The learner	Guided team work	Charts	Baroque math		
		AND	should be	identifies	Question and	Learners	learners book 2		
		VOLUMES OF	able to form	different solids	answer	books	Internet		
		SOLIDS	nets of	and their nets	explanation	Calculators			
			different			Graph books			
			solids						
6	4	NETS, AREAS	The learner	The learner	Guided team work	Charts	Baroque math		
		AND	should be	finds volume of a	Question and	Learners	learners book 2		
		VOLUMES OF	able to find	cone, cylinder,	answer	books	Internet		
		SOLIDS	volumes	cube, cuboid and	explanation	Calculators			
			different	a pyramid		Graph books			
			solids						
6	4			ACTIVI	TY OF INTEGRATION	ON			
7	4	SURDS	The learner	The learner	Guided team work	Charts	Baroque math		
			should be	manipulates and	Question and	Learners	learners book 2		
			able to use	simplifies	answer	books	Internet		
			surd to	expressions with	explanation	Calculators			
			express roots	surd		Graph books			
	•		_	•		_			

			T.,		T	1		
			that can't be					
			expressed as					
			decimals					
8	4	SURDS	The learner	Division of surds	Guided team work	Charts	Baroque math	
			should be	includes	Question and	Learners	learners book 2	
			able to add,	rationalization	answer	books	Internet	
			subtract,	of surds	explanation	Calculators		
			multiply and		r	Graph books		
			divide surds					
9	4	SET THEORY	The learner	The learner	Guided team work	Charts	Baroque math	
			should be	acquires general	Question and	Learners	learners book 2	
			able to	knowledge about	answer	books	Internet	
			describe a	sets	explanation	Calculators		
			set and its			Graph books		
			elements,			_		
			types of sets					
			and number					
			of elements					
			in a given					
			set					
10	4	SET THEORY	The learner	Usage of a Venn	Guided team work	Charts	Baroque math	
			should be	diagram,	Question and	Learners	learners book 2	
			able to use a		answer	books	Internet	
			Venn		explanation	Calculators		
			diagram to		•	Graph books		
			represent			1		
			relationships					
			between 3					
			sets					
11	4			ACTIVI	TY OF INTEGRATI	ON		
12		END OF YEAR EXAMS						

SIGN OF HOD:
SIGN BY DIRECTOR OF STUDIES