

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

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1	<b>REVIEW OF THE LAST TERMS WORK AND CORRECTIONS FOR EOT EXAMS</b>							
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	<b>ACTIVITY OF INTEGRATION</b>						
6	4	<b>SIMILARITIES AND ENLARGEMENT</b>	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	



**DEPARTMENTAL SCHEMES TERM THREE-2025**

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

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

**SIGN OF HOD: .....**

**SIGN BY DIRECTOR OF STUDIES .....**