

**DEPARTMENTAL SCHEMES TERM ONE-2025**

**TEACHER'S NAME: BYANSOBERA IBRA CLASS: S.3 SUBJECT: MATHEMATICS**

WK	PRD	TOPIC AND SUBTOPIC	LEARNING OUTCOME	COMPETENCY	METHODOLOGY	TEACHING AIDS	REFERENCES	REMARKS
1	4	<b>REVIEW OF THE LAST TERMS WORK AND CORRECTIONS FOR EOT EXAMS</b>						
2	4	EQUATION OF A STRAIGHT LINE	The learner should be able to understand the relationship between a linear equation and its graph	$y = mx + c$	Guided discovery Group discussions Question and answer	Charts Learners books pens	Baroque math learners book 3 Teachers guide internet	
2	4	EQUATION OF A STRAIGHT LINE  GRADIENT OF A LINE	The learner should be able to determine the gradient when given an equation	$Gradient = m$	Guided discovery Group discussions Question and answer	Charts Learners books pens	Baroque math learners book 3 Teachers guide internet	
3	4	EQUATION OF A STRAIGHT LINE  PARRALLE L AND PERPENDI CULAR LINES	The learner identifies the relationship between parallel and perpendicular lines	Parallel lines have equal gradients  For perpendicular $M1 * M2 = -1$	Guided discovery Group discussions Question and answer	Charts Learners books pens	Baroque math learners book 3 Teachers guide internet	
3	4	<b>ACTIVITY OF INTEGRATION</b>						
4	4	TRIGONOMETRY 1	The learner should be able to derive sine, cosine and	Sine = opp/hyp Cos = adj/hyp Tan = opp/adj	Guided discovery Group discussions Question and answer	Charts Learners books pens	Baroque math learners book 3 Teachers guide internet	

			tangent functions from the unit circle					
5	2	TRIGONOMETRY 1	The learner should be able to read and use calculators to find values of trig functions and angles of depression and elevation	Proper usage of the calculator	Guided discovery Group discussions Question and answer	Charts Learners books pens	Baroque math learners book 3 Teachers guide internet	
6	4	<b>ACTIVITY OF INTEGRATION</b>						
6	4	DATA COLLECTION AND DISPLAY	The learner should be able to understand mode, mean, median as measures of central tendency	The learner calculates measures of central tendency using various formulas	Guided discovery Group discussions Question and answer	Charts Learners books pens	Baroque math learners book 3 Teachers guide internet	
7	4	DATA COLLECTION AND DISPLAY  DRAWING AND USING FREQUENCY TABLES	The learner should be able to draw frequency tables of ungrouped data	The learner draws frequency tables of ungrouped data and use them to find mean and median	Guided discovery Group discussions Question and answer	Charts Learners books pens	Baroque math learners book 3 Teachers guide internet	
7	4	DATA COLLECTION AND DISPLAY  DRAWING HISTOGRAMS AND OGIVES	The learner should be able to draw histograms and ogives	The learner ably draws the histogram and the cumulative frequency curve	Guided discovery Group discussions Question and answer	Charts Learners books Pens Graph books	Baroque math learners book 3 Teachers guide internet	
8	4	<b>ACTIVITY OF INTEGRATION</b>						
9	4	VECTORS	The learner should be able to describe	The learner finds the vector of s	Guided discovery Group discussions	Charts	Baroque math learners book 3	

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**DEPARTMENTAL SCHEMES TERM TWO-2025**

**TEACHER'S NAME: BYANSOBERA IBRA CLASS: S.3 SUBJECT: MATHEMATICS**

WK	PRD	TOPIC AND SUBTOPIC	LEARNING OUTCOME	COMPETENCY	METHODOLOGY	TEACHING AIDS	REFERENCES	REMARKS
<b>1</b>	<b>4</b>	<b>REVIEW OF THE LAST TERMS WORK AND CORRECTIONS FOR EOT EXAMS</b>						
<b>2</b>	<b>4</b>	BUSINESS MATHEMATICS	The learner should be able to use a multiplier when calculating percentage change	the learner ably uses a multiplier when calculating percentage change	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
<b>2</b>	<b>4</b>	BUSINESS MATHEMATICS	The learner should be able to calculate compound interest, depression, appreciation and hire purchase	The learner ably finds compound interest, depression, appreciation and hire purchase	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
<b>3</b>	<b>4</b>	BUSINESS MATHEMATICS	The learner should be able to calculate taxable income and income tax	The learner ably finds taxable income and income tax	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
<b>3</b>	<b>4</b>	<b>ACTIVITY OF INTEGRATION</b>						
<b>4</b>	<b>4</b>	TRIGONOMETRY 2	The learner should be able to find trig ratios of angles of 90,45. 60 and 30	The learner ably uses the Pythagoras theorem to find these ratios	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	

4	4	TRIGONOME TRY 2	The learner should be able to use the cosine and sine rule and apply in real life situations	Use of graphs to derive the cosine and sine rule	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
5		<b>ACTIVITY OF INTEGRATION</b>						
6	4	<b>MATRICES</b>	The learner should be able to define a matrix and state its order	Order depends on the rows and columns	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
6	4	<b>MATRICES</b>	The learner should be able to find the Determinant and inverse of a 2x2 matrix	The learner ably finds the Determinant and inverse of a 2x2 matrix	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
7	4	<b>ACTIVITY OF INTEGRATION</b>						
7	4	<b>MATRIX TRANSFORMATIONS</b>	The learner should be able to identify transformations for reflections, enlargement and rotations	The learner uses graphical method to determine the images of objects	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
8		<b>MID TERM TWO EXAMS</b>						
9	4	<b>MATRIX TRANSFORMATIONS</b>	The learner should be able to identify the relationship between area scale factor and determinant of a	The area of an image can be obtained as a product of area of the object and determinant of a	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	

			transformation matrix	transformation matrix				
9	4	<b>MATRIX TRANSFORMATIONS</b>	The learner should be able to find a single matrix for successive transformations	<b>M = M2*M1</b>	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
10	4	<b>ACTIVITY OF INTEGRATION</b>						
11	4	<b>SIMULTANEOUS EQUATIONS</b>	The learner should be able to solve simultaneous equations in one unknown	Equations are solved by elimination and substitution	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
12	<b>END OF TERM TWO EXAMS</b>							

**DEPARTMENTAL SCHEMES TERM THREE-2025**  
**TEACHER'S NAME: BYANSOBERA IBRA CLASS: S.3 SUBJECT: MATHEMATICS**

WK	PR D	TOPIC AND SUBTOPIC	LEARNING OUTCOME	COMPETENCY	METHODOLOGY	TEACHING AIDS	REFERENCES	REMARKS
1	4	<b>REVIEW OF THE LAST TERMS WORK AND CORRECTIONS FOR EOT EXAMS</b>						
2	4	<b>PROBABILITY</b>	The learner must be able to understand the elementary concepts of probability	Probability refers to the expected outcomes to the sample space	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
3	4	<b>PROBABILITY</b>	The learner must be able to determine probabilities from experiments and real life data	This involves differentiating between theoretical and experimental probabilities	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
4	4	<b>PROBABILITY</b>	The learner should be able to use probability tree diagrams to determine probabilities independent events	This involves using Venn diagrams to find probabilities	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
5	4	<b>ACTIVITY OF INTEGRATION</b>						
7	4	<b>QUADRATIC EQUATIONS</b>	The learner should be able to determine roots of a	These can be got by factorization, completing squares	Guided discovery Group discussions	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	

			quadratic equation	and using the formula	Question and answer			
8	4	<b>QUADRATIC EQUATIONS</b>	The learner should be able to draw a graph for a quadratic graph	The learner ably draws a graph for a quadratic graph	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
9	4	<b>ACTIVITY OF INTEGRATION</b>						
10	4	<b>CIRCLE PROPERTIES</b>	The learner should be able to identify the arc, chord, sector and segment	Elementary parts of a circle	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
11	4	<b>CIRCLE PROPERTIES</b>	The learner should be able to find angle properties of cyclic quadrilaterals	Angle properties of a cyclic quadrilateral	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
12	<b>END OF YEAR EXAMS</b>							

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

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

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