STRISUKSA SCHOOL ROI-ET

"OUTCOME PLAN"

FOREIGN LANGUAGE DEPARTMENT: ENGLISH PROGRAM

SUBJECT: BASIC MATHEMATICS CODE: MA 21101 SEMESTER: 1/2026 CREDIT: 1.5

TEACHER: RAYMOND OFONDE NDIP MATHAYOM : 1/14-1/15

UNIT	TOPIC	INDICATORS	ACTIVITIES	SCORE	REMARKS
1	RATIONAL NUMBERS	MA 1.1 – 1.12	**Subtopics:** **-i**ntegers and comparison - Addition and subtraction of integers -multiplication and subtraction of integers -properties of integers -Real -life application of integers -Fractions -Real-life application of fractions -Decimals -Real – life application of decimals -Rational numbers and properties Activities: - Group work - Worksheets /Homework	15	
2	EXPONENTIATION	MA.2.1-2.4	**Subtopics**: -writing exponential numbers with integer values -Multiplication and division of exponential numbers	20	

			-Writing the numbers in the form of scientific Notation -Real-life applications of exponentiations Activities: Worksheets /Homework		
3	**GEOMETRY AND SPATIAL SPACE (2-D AND 3-D)**	**MA.3.1 – 3.4**	**Subtopics:** -2-D and 3-D shapes -Cross section of 3-D shapes -Describing 2-D and 3-D shapes from side and top views -2-D and 3-D shapes formed by cubes Activities: - Group work Worksheets /Homework	**15**	
	***MIDTERM EXAMINATION**		**MIDTERM** - Identification - Fill in the blanks - Matching type	**20**	
	***FINAL EXAMINATION**		**FINAL** - Multiple choice/structural	**30**	

Total Unit: 50 points **Midterm: 20 points** **Final: 30 points** **TOTAL: <u>100 POINTS</u>**

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"OUTCOME PLAN"

FOREIGN LANGUAGE DEPARTMENT: ENGLISH PROGRAM

SUBJECT: ADDITIONAL MATHEMATICS CODE: MA 21201 SEMESTER:1/2026 CREDIT:1

TEACHER: RAYMOND OFONDE NDIP MATHAYOM : 1/14-1/15

UNIT	TOPIC	LEARNING OUTCOMES	ACTIVITIES	SCORE	REMARK
1	NUMBERS AND NUMERALS	-concepts of real numbers numerals -Roman numerals and other numerals -Addition and subtraction in Roman numerals -Number bases -Converting from base 10 to other bases -Converting from other bases to base 10	- Group work - Worksheets /Homework	15	
2	APPLICATIONS OF INTEGERS AND EXPONENTS	-Integers and properties -Exponents and properties	- Worksheets (Identification,) - Reporting - Homework -Worksheets	15	

		-Solving problems involving exponents and its application			
3	**APPLICATION OF GEOMETRY**	-2 and 3 dimensional shapes -solving problems involving 2 and 3 dimensional shapes -surface areas , volumes of 3-D shapes	- Group work - Worksheets /Homework	**10**	
4	**GEOMETRIC CONSTRUCTION**	-Introduction to Geometric construction -Construction of 2-D geometric shapes	- Worksheets (Identification,) - Reporting - Homework -Worksheets	**10**	
	***MIDTERM EXAMINATION**		**MIDTERM** - Multiple choice - Structural questions	**20**	
	***FINAL EXAMINATION**		**FINAL** - Multiple choice - Short answer questions	**30**	

Total Unit: 50 points **Midterm: 20 points** **Final: 30 points** **TOTAL:<u>100 POINTS</u>**

STRISUKSA SCHOOL ROI-ET

"OUTCOME PLAN"

FOREIGN LANGUAGE DEPARTMENT: ENGLISH PROGRAM

SUBJECT: BASIC MATHEMATICS CODE: MA 22101 SEMESTER: 1/2026 CREDIT: 1.5 UNIT

TEACHER: RAYMOND OFONDE NDIP MATHAYOM : 2/14-2/15

UNIT	TOPIC	INDICATORS	ACTIVITIES	SCORE	REMARKS
1	PYTHAGOREAN THEOREM	MA.2.1-2.3	**Subtopics:** -Pythagorean Theorem -Real -life application of Pythagorean Theorem -Converse of Pythagorean Theorem Activities: - Group work - Worksheets /Homework	15	
2	REAL NUMBER	MA.2.1-2.4	**Subtopics:** -writing fractions as reoccurring decimals -Square and cube roots of Rational numbers -Real numbers -Real-life applications of real numbers Activities: Worksheets /Homework	15	

3	**PRISMS AND CYLINDERS**	MA.3.1 – 3.5	**Subtopics:** -Nets -Volumes and surface areas of cubes and cuboids -Volumes and surface areas of prims -Volumes and surface areas of cylinders -Volumes and surface areas of compound solids Activities: - Group work Worksheets /Homework	**10**	
4	**GEOMETRIC TRANSFORMATION**	MA.4.1 – 4.5	Subtopics: -Geometric transformation -Translation -Reflection -Rotation -Relationships between translation, rotation and reflection -Real – life applications of rotation , reflection and translation Activities: - Group work Worksheets /Homework	**10**	
	***MIDTERM EXAMINATION**		**MIDTERM** - Identification - Fill in the blanks - Matching type	**20**	
	***FINAL EXAMINATION**		**FINAL** - Multiple choice - Short essay questions	**30**	

Total Unit: 50 points **Midterm: 20 points** **Final: 30 points** **TOTAL: <u>100 POINTS</u>**

STRISUKSA SCHOOL ROI-ET

"OUTCOME PLAN"

FOREIGN LANGUAGE DEPARTMENT: ENGLISH PROGRAM

SUBJECT: ADDITIONAL MATHEMATICS CODE: MA 22203 SEMESTER: 1/2026 CREDIT: 1.0

TEACHER: RAYMOND OFONDE NDIP MATHAYOM : 2/14-2/15

UNIT	TOPIC	INDICATORS	ACTIVITIES	SCORE	REMARKS
1	EXPONENTIATION	MA.1.1 – 1.4	**Subtopics:** -Exponential numbers with integer exponents -Multiplication and division of exponential numbers -Scientific Notation -Real – life applications of exponential numbers Activities: - Group work - Worksheets /Homework	15	
2	POLYNOMIALS	MA.3.1 – 3.3	**Subtopics:** -Algebraic expressions -Addition and subtraction of Polynomials -Multiplication and division of Polynomials Activities: Worksheets /Homework	15	

3	**APPLICATIONS OF RATIOS AND PERCENTAGES**	MA.3.1 – 3.3	-Definition or ratio and percentage -calculating problems involving ratios and percentages -Applications of ratios and percentages in real – life Activities: - Group work Worksheets /Homework	**10**	
4.	**APPLICATIONS OF GEOMETRIC TRANSFORMATION**	MA.4.1 – 4.3	**Subtopics:** -Reflection, rotation, translations -Relationships between reflection, rotations and translation -Real -life applications of rotation ,reflection and translations **Activities**: - Group work Worksheets /Homework	**10**	
	***MIDTERM EXAMINATION**		**MIDTERM** - MCQ - Short essay questions	**20**	
	***FINAL EXAMINATION**		**FINAL** - Multiple choice -Short essay questions	**30**	

Total Unit: 50 points **Midterm: 20 points** **Final: 30 points** **TOTAL: <u>100 POINTS</u>**

STRISUKSA SCHOOL ROI-ET

"OUTCOME PLAN"

FOREIGN LANGUAGE DEPARTMENT: ENGLISH PROGRAM

SUBJECT: BASIC MATHEMATICS CODE: MA 23101 SEMESTER: 1/2026 CREDIT: 1.5

TEACHER: RAYMOND OFONDE NDIP MATHAYOM : 3/14-3/15

UNIT	TOPIC	INDICATORS	ACTIVITIES	SCORE	REMARKS
1	LINEAR INEQUALITIES IN ONE VARIABLE	MA.1.1 – 1.3	**Subtopics:** -linear inequalities in one variable -Real -life applications of linear inequalities in one variable -Solving simultaneous linear inequalities in one variable Activities: - Group work - Worksheets /Homework	15	
2	CIRCLES	MA.5.1– 5.2	**Subtopics:** -Circle Theorems of chords and Tangents -Circle Theorem of Angles Activities: Worksheets /Homework	15	
3	SIMILARITY	MA.3.1 – 3.3	-Similar Figures -Similar Triangles -Real – life applications of similar Triangles Activities:	10	

			- Group work Worksheets /Homework		
4.	**STATISTICS**	MA.5.1 – 4.2	**Subtopics:** -Mean , Quartiles ,Range and interquartile Range -Box and whisker plots **Activities**: - Group work Worksheets /Homework	**10**	
	***MIDTERM EXAMINATION**		**MIDTERM** - MCQ - Short essay questions	**20**	
	***FINAL EXAMINATION**		**FINAL** - Multiple choice -Short essay questions	**30**	

Total Unit: 50 points **Midterm: 20 points** **Final: 30 points** **TOTAL: <u>100 POINTS</u>**