For use with STP *Caribbean Mathematics 3rd Edition*

MATHEMATICS SCHEME OF WORK

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Term II – 09/1/2017 – 07/04/2017	No of weeks : 13
Forms : 1P/J/M	No. of periods per week: 4

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(N.B. This is just a rough plan. The duration and date of lessons may be adjusted as time progresses.

Mathematics Form One Scheme of Work: Term Two

WK	Topic	Sub topic	Objectives	Learning Activities	L/T AIDS	References	Lesson #
				REPORTING AND REVISION OF LAST TERMS EXAMS			
2	Decimals	Fractions and decimals	By the end of the lesson, the learner should be able to: Define decimals Convert fractions into decimals	Definition Discussions Doing exercises Illustration Demonstrations Dividing Multiplying	Equivalent fractions Multiplication tables Real life situations	STP mathematics Book 1 Chapter 7 Page 98 Ex 7a, 7b, Ex 8h Random Questions on board.	1-2
	Decimals	Recurring decimals	By the end of the lesson, the learner should be able to: Identify and write recurring decimals	Discussions on recurring decimals Doing exercises Dividing Multiplying Demonstrations Explanation	Equivalent fractions Multiplication tables Real – life situation	STP mathematics book 1 Chapter 8 Page 114 EX 8e Random Questions on the board.	3-4
3	Decimals	Recurring decimals and fractions	By the end of the lesson, the learner should be able to: Convert recurring decimals into fractions	Guiding learner to identify recurring decimals Discussion on recurring decimals Doing exercises Conversion illustrations	Equivalent fractions Percentages Multiplication tables	Handout	5-6
	Decimals	Rounding off decimals	By the end of the lesson, the learner should be able to: Round off a decimal number to the required number of decimal places	Discussions Estimation Rounding off Demonstrations Doing exercises	Place value charts Ruler Tape measure Objects	Page 120 Ex 8f Random Questions on the board.	7
	Class Test – Questions based on lessons 1-7 (40 mins)						
	Decimals	Standard form	By the end of the lesson, the learner should be able to:	Discussions	place value charts measuring instruments objects	Science Text books with popular constants. Speed of light, Avogadro's constant…	1

			Write numbers in standard form and apply in real life situations	Writing whole numbers and decimal numbers in standard form Doing exercises Illustrations explanations		Handout	
4	Decimals	Addition and subtraction of decimals	By the end of the lesson, the learner should be able to: Add decimals Subtract decimals	Discussions Demonstrations Explanations Adding Subtracting	Place value charts Measuring instruments such as tape measure, ruler, meter rule Regular shaped objects	Pages 99-104 Ex 7a, 7b, 7c,7f	2-3
	Decimals	Multiplication and division	By the end of the lesson, the learner should be able to: Multiply decimals Divide decimals	Discussions Demonstrations Multiplying Correcting errors caused by failure to manipulate decimal point correctly Doing exercises	Mathematical table Multiplication table Place value chart Measuring instruments Regular shaped objects	Pages 115-117 Ex 8a, Ex 8b, Ex 8c	4-5
5	Decimals	Combined operation on decimals	By the end of the lesson, the learner should be able to: Carry out operations in the correct order Apply the knowledge of decimals to real life situations	Discussions Application of decimals to real life situations Adding Multiplying Dividing Subtracting Solving puzzles Playing games	Place value charts Multiplication tables Mathematical tables Tape measure Meter rule Ruler Strings Regular shaped objects	Pages 124,125 Ex 8i,8j Mixed Operation Exercise 8q	6
	Class Test – Questions based on lessons 1-6 (40 mins)						
	Angles	Measuring and drawing angles	By the end of the lesson, the learner should be able to: Measure and draw an angle using a protractor	Discussions Demonstration Measuring angles Illustrations	Protractor Ruler Models of figures Charts	Chapter 11 Page 162 Ex 11a, 11c	1
	Angles	Types of angles	By the end of the lesson, the learner should be able to: Name and draw different types of angles	Discussions Drawing angles Measuring angles Naming angles	Protractor Ruler Models of triangles, rectangles etc Charts	Ex 11d, 11f	2
6	Angles	Angles on a straight line,	By the end of the lesson, the learner should be able to:	Discussions Drawing angles	Protractor Ruler	Page 177 Ex 11j,11k,11L	3-4

		vertically opposite angles and angles at a point	Identify and draw angles on a line vertically opposite angles and angles at a point	Doing exercises Naming angles	Models of triangles, rectangles etc.		
	Angles	Parallel lines corresponding alternate and interior angles	By the end of the lesson, the learner should be able to: Identify and draw parallel lines, corresponding alternate and interior angles	Discussions Drawing angles Measuring angles Identifying angles	Protractor Ruler Real objects	Handout Mixed Exercises Ex 11n, 11p	5-6
	Class Test – Questions based on lessons 1-6 (40 mins)						
7	Polygons	Triangles	By the end of the lesson, the learner should be able to: Define a polygon and identify and construct different triangles.	Discussions Drawing triangles Measuring Angles Measuring lengths Definitions	Protractor Ruler Models of different triangles	Chapter 13 Ex 13a, 13b	1-2
	Polygons	Interior and exterior angles of a polygons	By the end of the lesson, the learner should be able to: Identify and calculate interior and exterior angles of a quadrilateral	Discussions Drawing quadrilaterals Measuring angles Measuring lengths Illustrations	Protractor Ruler Strings Real Objects	Page 211 Ex 13i Mixed Exercises Ex 13k, Ex 13L , Ex 13m	3-4
8	Percentages	Vulgar Fractions	By the end of the lesson, the learner should be able to: Express percentages as fractions	Discussions Drawing Figures Measuring angles Estimating fraction Shading Areas	Protractor Ruler Strings Color Markers	Page 223 Ex 14a,14b Random Questions in class	1-2
	Percentages	Decimal Fractions	By the end of the lesson, the learner should be able to: Express percentages as fractions Express one quantity as a percentage of another	Discussions Charts		Page 224 Ex 14b, 14 d Ex 14 e, 14f, 14g	3-4
	Class Test – Questions based on lessons 1-6 (40 mins)						
9	Symmetry		By the end of the lesson, the learner should be able to: Define the term symmetry and state whether given shapes possess any axis of symmetry.	Discussions Drawing shapes Using pocket mirror	Ruler Strings Color Paper Small scissors Graph Paper	Chapter 12 Page 188 Ex 12 a	1-3

9	Symmetry		By the end of the lesson, the learner should be able to: Identify possible lines of symmetry in a given image. Define Rotational Symmetry	Discussions Drawing shapes Images Using pocket mirror Rotating an image in MS Paint	Ruler Strings Small scissors Computer, Projector	Ex 12c Ex 12d	4-6
10	Revision of Term's Work						
11-13		**END OF TERM EXAMS -Questions based on lessons covered in TERM II (1 hr 30mins)**					