Mathematics

IMMACULATE CONCEPTION HIGH SCHOOL DEPARTMENT OF MATHEMATICS SUMMER TERM PLAN:- April 22, 2020 to June 19, 2020				
NAME of TEACHERS: Miss Arlene Chin, Miss Donaree Bogle, Mr. D-Hugh Thompson, Ms Shania Thomas & Mrs. Doreen Richards				
GRADE: 7 **TERM : III**			**TERM WEIGHTING:** **Test – 60%** **Course work - 40%**	**Description: 3 Tests** **3 Course work (3 quizzes)**
WEEK	**DAY-DATE-PERIOD**	**TOPICS**	**OBJECTIVE :** Students should be able	**ASS'T. TYPE**
1-2	**Apr 27 – May 8 (2weeks)**	**Quads & Triangles**	1. Identify and list the properties of the following plane shapes: Triangle, Square, Rectangle, Rhombus, Kite, Parallelogram and Trapezium (including the concepts of symmetry and congruency) 2. Calculations of sizes of angles in triangles	**Test**
3	**May 11 - May 15 (1 week)**	**Measurement II: Polygons** **STRAND**: Measurement	2. Name and identify polygons 3. Find the sum of interior angles of any regular polygon 4. Find the size of each interior angle of any regular polygon 5. Find the sum of exterior angles of any regular polygon	**Quiz**

		STANDARD: *Use the correct units, tools and attributes to estimate, compare and carry out the processes of measurement to given degree of accuracy.*		
4 - 6	**May 18- June 5 (3 weeks)**	**Measurement II: Area and Perimeter** **STRAND**: Measurement **STANDARD:** *Use the correct units, tools and attributes to estimate, compare and carry out the processes of measurement to given degree of accuracy.*	1. Explain the concept of area and perimeter of each given shape. 2. Calculate the area and perimeter of plane shapes including composite shapes. (square, rectangle, triangle, trapezium, parallelogram, rhombus and kite) (Perform measurement conversions and calculations ***within units and across units (up to square units)).***	**Quiz or Test**

7 & 8	**June 8 -19**	**Coordinate Geometry** **STRAND**: Algebra **STANDARD:** *Employ algebraic reasoning through the use of expression, equations and formulae to interpret, model and solve problems involving unknown quantities.*	1. Identify the X and Y axes 2. Identify the X and Y coordinates 3. Relate ordered pairs to the X and Y axes 4. Read points from the Cartesian plane 5. Write coordinates of points as ordered pairs 6. Plot points on the Cartesian plane 7. Connect points on the Cartesian plane in order to form plane shapes	**Quiz**
		Reflection & Translation **STRAND**: Geometry **STANDARD:** *Explore paths, geometric shapes and space and make generalizations about geometric relationships within the environment*	1. Reflect a shape 2. Give properties of reflection 3. Find the mirror line when a shape and its image are given. 4. Translate a shape 5. Give properties of translation 6. State the relationship between figure and image 7. Identify coordinates of image	**Test**