IMMACULATE CONCEPTION HIGH SCHOOL
MATHEMATICS DEPARTMENT
CHRISTMAS TERM PLAN 2023

GRADE: 8	TERM WEIGHTING:	Description: 2 Six Weeks Tests
Bogle, Dudley, Lynch, Mossop, Thompson, York	Test – 60% Course work - 40%	3 Quiz 1 Project

WKS	DATE	TOPIC	OBJECTIVES: Students should be able to:	ASS'T. TYPE
Prep	Sept 6 - 8	**Introduction**	1. Welcome 2. Introduction 3. Check how they are 4. Attendance 5. Expectations 6. Term Plan 7. Assessment Information 8. Number 9. Type 10. Timeline 11. Online or other 12. Timetable and Room Check 13. Required Materials 14. Textbook 15. Notebook 16. Tablet or laptop for assessments in Google Classroom 17. Mode of Lesson Delivery 18. Provide Contact Information 19. Set up a WhatsApp group 20. Reassure them that despite the challenges all will be well 21. Exam Review : return papers and share solution only	
1	Sept 11 - 15	**Coordinate Geometry**	Students should be able to: 1. Identify the X and Y axes 2. Identify the X and Y coordinates 3. Relate ordered pairs to X and Y axes 4. Read points from the Cartesian plane	

2	Sept 18 - 22		5. Plot points on the Cartesian plane 6. Write coordinates of points as ordered pairs 7. Connect points on the Cartesian plane to form shapes **Practice Papers**	Coordinate Geometry Quiz

3	Sept 25 - 29	**Statistics**	1. Calculate:
			    o Mean
			    o Mode
			    o Median for a given set of data
			
			2. Solve higher order questions involving mean
			
			3. Decide which of the measures of tendency should be used in given situations	

4	Oct 2 – 06		4. Draw a simple Frequency table for a set of data
			5. Determine:
			    o Mean
			    o Mode
			    o Median from a frequency table
			6. Draw a pictograph and bar graph to represent a given set of data.	

5	Oct 09 – 11 (3days)		7. Draw a line graph to represent a given set of data 8. Draw a pie chart to represent a given set of data 9. Read and interpret pie charts. **Practice papers**	Statistics **Project**
6	Oct 17 – 20 (4 days)	**Integers and Rational Numbers**	1. Identify integers and Rational numbers 2. Compare and order any given set of integers or rational numbers 3. Perform addition and subtraction on integers and rational numbers **(emphasis on negative).**	
7	Oct 23 - 27		**Sixth Week Test 1**	

8	Oct 30 – Nov 3		1. **Test Review** 2. Perform multiplication and division on integers and rational numbers **(emphasis on negative).** **NB: include fractions and decimals** 3. Solve worded problems involving integers 4. Solve questions involving order of operations. For example: $2 \times (-2) + (-2) \times (-3) + 2 \times (-3)$	Integers and Rational Numbers **Quiz**
9	Nov 6 - 10		**Practice Papers**	
10	Nov 20 - 24	**Laws of Algebra 1 & 2**	1. Add and subtract like and unlike terms. 2. Multiply and divide like and unlike terms 3. Add, subtract, multiply and divide expressions	Laws of Algebra **Quiz**
11	Nov 27 – Dec 1		4. Use the distributive law to remove brackets 5. Expand and simplify expressions involving brackets including $(a + b)^2$ and $(a - b)^2$.	
12	Dec 4 - 8		**Sixth Week Test 2**	
13	Dec 11- 15		6. Test Review 7. Finding the HCF of a set of algebraic expressions 8. Factorize algebraic expressions using the distributive property 9. Simplifying rational expressions including binomial denominators and addition and subtraction	
14	Dec 18 (1 Day)		**Practice papers**	
	Dec 19 Sports Day		**Christmas Break !!!!!**	

ASSESSMMENT PLAN

NUMBER	WEEK	TOPIC	ASSIGNMENT
1.	Sept 18 - 22	Coordinate Geometry	Quiz 1
2.	Oct 9 - 11	Statistics	Project
3.	Oct 23 - 27	Sixth Week	Test 1
4.	Oct 30 – Nov 3	Integers and rational Numbers	Quiz 2
5	Nov 20 - 24	Laws of Algebra 1 & 2	Quiz 3
6	Dec 4 - 8	Sixth Week	Test 2