KOTHARI INTERNATIONAL SCHOOL
GRADE: 9
SESSION 2024-25
SUBJECT: MATHEMATICS SUBJECT CODE (041/241)

S.No	TERM	MONTH	TOPIC	SUBJECT ENRICHMENT
1.	**PERIODIC ASSESSMENT 1(cycle)** **25% of the Term 1 syllabus** **PA1- 15th April to 17th May 2024**	**APRIL** **Working Days -20**	1.Number System 2.Introduction to Euclid's Geometry 3.Coordinate Geometry	1.Real Numbers (Constructing the Square root spiral)
		MAY **Working Days -20**	1.Linear equation in two variables 2.Lines & Angles 3.Triangles	1To obtain a linear equation of a real life situation and draw a graph which represents the linear equation. 2. To find the values of abscissae and ordinates of various points given in a Cartesian plane. 3.To prove geometrically Corresponding angles and alternate interior angles are equal. 4.To verify experimentally the different criteria for congruency of triangles using triangle cut-outs.
2.	**PERIODIC ASSESSMENT 2** **40% of the total syllabus** **PA2 - 15th July to 12th August 2024**	**JULY** **Working Days -22**	1.Heron's Formula 2.Surface area and volume	5.To find CSA of cone by paper cutting method
		AUGUST **Working Days -22**	Revision	
	Mid Term **70% of the syllabus** **Mid Term- 9th Sep to 23rd September 2024**	**SEPTEMBER** **Working Days- 20**	1.Polynomials	6. To verify the algebraic identity : $(a+b)^3 = a^3 + b^3 + 3a^2 b + 3ab^2$

		OCTOBER **Working Days- 19**	1. Quadrilaterals 2. Statistics	7. To verify that figure formed by joining the mid points of quadrilateral is a parallelogram 8. To verify Mid-Point Theorem 9. Power Point Presentation: Make a Google form, collect real life data and represent it using graph
3.	**PERIODIC ASSESSMENT 3** **Rest of the 30% of the syllabus** **PA3 -11th Nov to 25th December 2024**	**NOVEMBER** **Working Days- 16**	1. Circles and Revision	10.Equal chords subtend equal angles at the centre 11. Angles in the same segment are equal 12. To verify Sum of opposite angles of a cyclic quadrilateral is 180^0
		December **Working Days- 21**	Revision	
		JANUARY **Working Days -16**	Revision	
4.	**<u>TERM END</u>** **100% OF TERM 2 SYLLABUS** **Annual Examination-3rd February to 14th February 2025**	**February** **Working Days-19**	Revision & Annual Examination	