



KOTHARI INTERNATIONAL SCHOOL

GRADE: 10

SESSION 2024-25

SUBJECT: MATHEMATICS

SUBJECT CODE (041/241)

S. No	TERM	MONTH	TOPIC	SUBJECT ENRICHMENT
1.	PERIODIC ASSESSMENT 1 30% of the Syllabus PA1- 15 April to 17 May 2024	March Working Days – 16	1.Real Number 2.Probability 3.Pair of linear equations in two variables	1.To obtain the condition of consistency of a system of linear equations in two variables by graphical method 2.Double card experiment for probability
		APRIL Working Days -20	1.Coordinate Geometry 2.Triangles	1.To get familiar with the idea of probability of an event through a double colour card experiment 2.To verify distance formula 3.To Verify the Basic Proportionality Theorem 4. To establish the criteria for similarity of two triangles.
		MAY Working Days -20	1.Introduction to trigonometry 2.Some application of Trigonometry	1. To find the height of a building using a clinometer.

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2.	PERIODIC ASSESSMENT 2 50% of the syllabus PA2- 15 July to 12 August 2024	JULY Working Days -22	1.Polynomials 2.Quadratic Equations 3.Arithmetic Progression	1. To verify that a given sequence is an Arithmetic Progression by paper cutting and pasting method. 2.To verify that sum of first n natural numbers is $n(n+1)/2$
	Mid Term 80% of the Syllabus	AUGUST Working Days -19	1.Circles	1.To verify that the angles in the of tangents drawn from an external point are equal using the method of paper cutting, pasting and folding 2.To verify experimentally that the tangent at any point to a circle is perpendicular to the radius through that point
	Mid Term 80% of the syllabus Mid Term Examination 8th Sep to 20th September	SEPTEMBER Working Days- 20	Revision work and Class test. Mid Term Examination	
3	PERIODIC ASSESSMENT 3 Rest of the 20% Syllabus PA3 - 5 Nov to 25 November 2024	OCTOBER Working Days- 16	1.Area related to circles 2.Surface area and volume	1.To give a suggestive demonstration of the formula for the lateral surface area and Total surface area of a cone
		NOVEMBER Working Days- 19	1. Statistics 2.Revision	1.PPT
4	Pre Board 1 100% Syllabus PREBOARD 1- 9 Dec to 20 December 2024	December Working Days- 18	Revision	

S. No	TERM	MONTH	TOPIC	SUBJECT ENRICHMENT
5	Pre Board 2 100% Syllabus PREBOARD 2- 10 Jan to 20 January 2025	JANUARY Working Days -20		