GRADE: 9
SUBJECT: MATHEMATICS, SUBJECT CODE (041/241)
ANNUAL PLANNER (2023-24)

S.No	TERM	MONTH	TOPIC	SUBJECT ENRICHMENT
1.	**PERIODIC ASSESSMENT 1(cycle)** **25% of the Term 1 syllabus** **(Period- 24th April to 19th May)**	**APRIL** **Working Days -15**	1. Number System 2. Coordinate Geometry 3. Linear equation in two variables	1. Real Numbers (Constructing the Square root spiral) 2. To obtain a linear equation of a real life situation and draw a graph which represents the linear equation. 3. To find the values of abscissae and ordinates of various points given in a Cartesian plane.
		MAY **Working Days -19**	4. Introduction to Euclid's Geometry 5. Lines & Angles 6. Triangles	4. To prove geometrically Corresponding angles and alternate interior angles are equal. 5. To verify experimentally the different criteria for congruency of triangles using triangle cut-outs.
2.	**PERIODIC ASSESSMENT 2** **40% of the total syllabus Of Term 1 syllabus** **(Period- 24th July to 11th August)**	**JULY** **Working Days -22**	7. Heron's Formula 8. Surface area and volume	6. To find CSA of cone by paper cutting method
		AUGUST **Working Days -22**	Revision	
		SEPTEMBER **Working Days- 20**	9. Polynomials	7. To verify the algebraic identity : $(a+b)^3 = a^3 + b^3 + 3a^2 b + 3ab^2$

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3	**Mid Term** **70% Term 1 syllabus** **(Period- 8th Sep to 20th Sep)**	**OCTOBER** **Working Days- 19**	10. Quadrilaterals 11. Statistics	8. To verify that figure formed by joining the mid points of quadrilateral is a parallelogram 9. To verify Mid-Point Theorem 10. Power Point Presentation: Make a Google form, collect real life data and represent it using graph
		NOVEMBER **Working Days- 16**	12. Circles Revision	11. Equal chords subtend equal angles at the centre 12. Angles in the same segment are equal 13. To verify Sum of opposite angles of a cyclic quadrilateral is 180^0
		December **Working Days- 21**	Revision	
5.	**PERIODIC ASSESSMENT 3 (Cycle)** **Rest 30%** **(Period- 6th Nov to 30th December)**	**JANUARY** **Working Days -16**	Revision	

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6.	**TERM END** **100% OF TERM 2 SYLLABUS** **(Period- 5th February to 16th February)** **REVISION DATES**	February Working Days		
6		March Working Days - 16		

Holiday Homework:

1.   Power point presentation: Compare the economic rise in the three states (Meghalaya, Arunchal Pradesh and Uttar Pradesh) for last 20 years.

2.   Power point presentation: Compare the rise and fall of different political parties in Meghalaya, Arunanchal Pradesh