

SYLLABUS

CLASS - IX

SUB: - MATHEMATICS

SESSION : - 2021 - 22

DURATION	SYLLABUS COVERED	SYLLABUS TESTED	SUBJECT ENRICHMENT / PRACTICAL
I TERM (JULY)	Ch1.Number System Ch6.-Lines And Angles Ch.11-Construction Ch 2 Polynomials Ch.3- Co-ordinate geometry	Ch1.Number System Ch.11-Construction Ch6.-Lines And Angles Ch 2 Polynomials Ch.3- Co-ordinate geometry	1. Draw a spiral of Irrational Numbers. 2. .Verify angle sum property by paper cutting and pasting. 3. Verify $(a + b + c)^2$ paper cutting and pasting. 4. Draw Mirror Image of a point w.r.t. x – axis an y - axis
PT -1 (JULY – AUG)	Ch.12-Heron’s Formula Ch.7- Triangles Ch.9-Area Of Parallelograms and Triangles Ch.3- Co-ordinate geometry	Ch.12-Heron’s Formula Ch.7- Triangles Ch.3- Co-ordinate geometry	5. To verify that area of parallelograms on the same base between same parallel lines are equal in area. Draw Mirror Image of a point w.r.t. x – axis an y - axis
HALF YEARLY (PT 2) (SEPTEMBER)	Ch1.Number System Ch6.-Lines And Angles Ch.11-Construction Ch 2 Polynomials Ch.9-Area Of Parallelograms and Triangles Ch.12-Heron’s Formula Ch.7- Triangles Ch.3- Co-ordinate geometry	Ch1.Number System Ch 2 Polynomials Ch.3-Co-ordinate Geometry Ch6.-Lines And Angles Ch.9-Area Of Parallelograms and Triangles Ch.12-Heron’s Formula Ch.7- Triangles Ch.11- Constructions	
PT -3 (OCT-NOV)	Ch.8-Quadrilaterals Ch.14- Statistics Ch.15- Probability	Ch.8-Quadrilaterals Ch.14- Statistics	6. Verify quadrilateral formed by joining mid points of a quadrilateral is a parallelogram by paper cutting and pasting. 7. Verify mid – point theorem by

			<p>paper cutting and pasting.</p> <p>8. Verify that central angle made by an arc is double the angle made by the same arc on the circle by paper cutting and pasting.</p>
<p>II TERM (JAN)</p>	<p>Ch.10-Circles Ch.4-Linear Equations</p>	<p>Ch1.Number System Ch.3-Co-ordinate Geometry Ch.4-Linear Equations Ch6.-Lines And Angles Ch 2 Polynomials Ch.9-Area Of Parallelograms and Triangles Ch.12-Heron's Formula Ch.7- Triangles Ch.11- Constructions Ch.8-Quadrilaterals Ch.14- Statistics</p>	<p>9. Verify that opposite angles of a cyclic quadrilateral are supplementary by paper cutting and pasting.</p> <p>10. Verify that Angles in the same segment are equal by paper cutting and pasting.</p>
<p>ANNUAL EXAMS (FEB)</p>	<p>Ch.13- Surface Area And Volumes</p>		