

THE WISDOM GLOBAL SCHOOL**SYLLABUS BIFURCATION****GRADE - 9****SUBJECT:- MATHEMATICS****NAME OF BOOK :- NCERT****NAME OF THE TEACHER:- MR. RAVINDRA SINGH NEGI**

S.NO	BOOK NAME	MONTH	CHAPTER NUMBER	CHAPTER NAME	SUB-TOPICS	NO. OF DAYS REQUIRED	ACTIVITY / PROPS	SMART BOARD(PPT/VIDEO)	CHARTS
1	NCERT	April	1	NUMBER SYSTEM	Introduction	1	No	Yes	No
2					Irrational Numbers	1	Yes	No	No
3					Real Numbers and their Decimal Expansions	1	No	Yes	No
4					Representing Real Numbers on the Number Line	1	Yes	No	No
5					Operations on Real Numbers	1	No	Yes	No
6					Laws of Exponents for Real Numbers	2	No	No	No
7					Rationalisation	3	No	No	No
8					Introduction	1	No	Yes	No

9	NCERT	April	2	POLYNOMIALS	Polynomials in One Variable	1	No	Yes	No
10					Zeros of a Polynomial	1	Yes	No	No
11					Remainder Theorem	2	Yes	Yes	No
12					Factorisation of Polynomials	2	No	Yes	No
13					Algebraic Identities	2	No	Yes	No
14					Extended Exercise questions	1	No	Yes	No
15					Test	1	No	No	No
16					NCERT	MAY	3	COORDINATE GEOMETRY	Cartesian System
17	Plotting of graphs in cartesian plane	1	Yes	Yes					No
18	Quadrant System	1	Yes	Yes					No
19	Distance Formula	1	No	No					No
20	Section formula	1	No	No					No
21	Area of Triangle	1	Yes	Yes					No
22	Exercise questions	1	No	Yes					No
23	test	1	No	No					No
PRE-MIDTERM EXAM									
24					Introduction	1	yes	Yes	No

25	NCERT	JULY	4	LINEAR EQUATION OF TWO VARIABLES	Graphical representation of Linear equations on graph	1	Yes	Yes	No
26					Algebraic and graphical solutions	2	No	Yes	No
27					Consistency/Inconsistency	2	No	Yes	No
28					Algebraic Condition of Solutions	2	Yes	Yes	No
29					Solutions of Linear Equation (Elimination & Substitution)	2	No	No	No
30					Extended Exercise questions	1	No	Yes	No
31					Test	1	No	Yes	No
32					NCERT	July	5	INTRODUCTION TO EUCLID'S	Axioms
33	Postulates	1	No	Yes					Yes
34	Exercise questions	1	No	Yes					No
35					Introduction	1	Yes	No	No
36					Sum of two adjacent angles	1	Yes	No	No
37					Vertical Opposite Angles	1	Yes	No	No

38	NCERT	July	6	LINES AND ANGLES	Alternate Angles	1	Yes	No	No
39					Interior Angles	1	No	Yes	No
40					Angle sum of triangle	1	Yes	Yes	No
41					Exterior Angles	1	Yes	Yes	No
42					Extended Exercise questions	2	No	No	No
43	NCERT	August	7	TRIANGLES	Congruent triangle (SAS, ASA, SSS, RHS)	2	Yes	Yes	No
44					Angle Opposite to equal sides are equal	2	No	Yes	No
45					BPT	3	No	Yes	No
46					Extra Questions	1	No	Yes	N
47					Extra questions	1	No	Yes	No
48					Test	1	No	Yes	No
49	NCERT	August	8	QUADRILATERALS	Introduction	1	No	Yes	No
50					Diagonal divides a parallelogram into two congruent triangles	1	Yes	Yes	No
51					Parallelogram	1	No	Yes	No
52					Mid Point Theorem	2	No	Yes	No
53					Extra Questions	1	No	No	No
MID - TERM EXAM									
54					Introduction	1	No	Yes	No

55	NCERT	September	9	AREA OF PARALLELOGRAMS & TRIANGLES	Concept of area of parallelogram. Theorem	1	Yes	Yes	No
56					Concept of area of Triangle. Theorem	2	Yes	Yes	No
57					Relationship between area of parallelogram and triangle (same base & b/w same lines)	2	Yes	Yes	No
58					Extended Exercise questions	2	No	Yes	No
59					Test	1	No	Yes	No
60					Definition of circle and related concepts	2	No	Yes	No
61					Radius, circumference, chord, sector, segment, subtended angles	2	No	Yes	No

62	NCERT	October	10	CIRCLES	Equal chords subtends equal angles at the centre and converse.	3	Yes	Yes	No
63					Angle in the same segment of the circle are equal.	2	Yes	Yes	No
64					Tangent to a circle	2	No	Yes	No
65					Extra Questions	3	No	Yes	No
66					test	1	No	Yes	No
67	NCERT	November	11	CONSTRUCTIONS	Division of line segment in the given ratio	2	Yes	No	No
68					Construction of similar triangles to a given triangle	3	Yes	No	No
69	NCERT	November	12	HERON'S FORMULA	Introduction	1	No	Yes	No
70					Area of a Triangle	2	No	Yes	No
71					Application of Heron's Formula in finding area of quadrilateral	3	No	Yes	No
72					Word Problems	2	No	Yes	No
73					Extra Questions	1	No	Yes	No
74					Introduction	1	No	No	Yes

75	NCERT	November	13	SURFACE AREA & VOLUME	surface area and volume of Cuboid & Cube	2	Yes	Yes	Yes
76					surface area and volume of Cylinder	2	Yes	Yes	No
77	NCERT	Decemeber	13	SURFACE AREA & VOLUME	surface area and volume of Cone	2	Yes	Yes	No
78					surface area and volume of sphere	2	Yes	Yes	No
79					Extra Questions	2	No	Yes	Yes
80					Test	1	No	No	No
81	NCERT	Decemeber	15	PROBABILIT Y	Empirical Probability	1	Yes	Yes	No
82					Dice and Coin Cases	1	Yes	No	No
83					Double dice Cases	2	Yes	No	No
84					Cards Cases	2	Yes	No	No
85					Previous Year Board Questions	1	No	Yes	No
86					Test	1	No	Yes	No
POST-MID TERM EXAM									
87					Introduction	1	No	Yes	No
88					Mean of group data	2	No	Yes	No

89	NCERT	4	14	STATISTICS	Median of grouped data	2	No	Yes	No
90					Mode of group data	2	No	Yes	No
91					Cummulative frequency Graph	2	No	No	No
92					Extra Questions	1	No	Yes	No
93	NCERT	January	16	Trigonometry	Trigonometric ratios	1	Yes	No	No
94					Proof of their exixtense	2	No	No	No
95					Value of trigonometric ratios	2	Yes	Yes	No
96	NCERT	February	16	Trigonometry	Proof & application of identity	2	No	Yes	No
97					Simple Questions Based on identities	2	No	Yes	No
98					Practice Questions	3	No	Yes	No
99					Test	1	No	Yes	No
100					Introduction	1	No	Yes	No