

# COURSE PLANNER

For Students of

**CLASS-9<sup>th</sup>**

**REGULAR PROGRAM**



Medium: **English**

**Course Concept:** The Program prepare students for NTSE & build strong foundation that leads to Excellent performance in Engineering & Medical Examinations along with excellence in school studies.

## TEACHING/LEARNING TOOLS

- ♦ **Classroom Teaching**
- ♦ **Daily Practice Problems (DPPs)**
- ♦ **Study Material (Sheet/Modules)**
- ♦ **Periodic Tests**
- ♦ **Doubt Classes**
- ♦ **SEP Sheets**

## DISCLAIMER

- ♦ The Institute reserves the right to increase/decrease the number of lectures allotted to any topic and also make changes in the sequence of the topics in each subject depending upon the course requirements.
- ♦ This Course Planner in all respects is applicable only at Kota (Rajasthan) SCs. At other Resonance Study Centers, Students/Parents may find some 'minor' variations to accommodate City specific features/factors.
- ♦ The information given in this Course Planner is proposed for Academic Session 2023-24. The institute reserves the right to make changes in it in the interest of students.

## TOTAL ACADEMIC HOURS

- ♦ **Course Duration:** 46 Weeks
- ♦ **Total Number of Lectures:** 419
- ♦ **Duration of one lecture:** 50 minutes
- ♦ **Total Duration of Classroom Teaching:** 349 hrs
- ♦ **Total Duration of Testing:** 66 hrs
- ♦ **Total Academic Hours:** 415 hrs

CALL US FOR MORE DETAIL :  
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# SUBJECT WISE SYLLABUS PLAN

## MATHEMATICS

Sl.No.	Topic Name	No. of Classes
1	Number System	14
2	Polynomials	13
3	Coordinate Geometry	9
4	Linear Equations In Two Variables	9
5	Introduction To Euclid's Geometry	6
6	Lines & Angles	12
7	Triangles	14
8	Quadrilaterals	16
9	Circles	11
10	Heron's Formula	6
11	Surface Area & Volume	13
12	Statistics	9
13	Probability	8
<b>Total</b>		<b>140</b>

## CHEMISTRY

Sl.No.	Topic Name	No. of Classes
1	Is matter around us pure	19
2	Atoms and molecules	13
3	Structure of atom	14
4	Matter in our surroundings	15
<b>Total</b>		<b>61</b>

## PHYSICS

Sl.No.	Topic Name	No. of Classes
1	Basic Mathematics	4
2	Motion	24
3	Force and Laws of Motion	17
4	Gravitation	9
5	Thrust & Pressure	11
6	Work, Power & Energy	21
7	Sound	16
<b>Total</b>		<b>102</b>

## BIOLOGY

Sl.No.	Topic Name	No. of Classes
1	Cell	34
2	Tissue	36
3	Improvements In Food Resources	29
4	Why Do We Fall Ill	14
<b>Total</b>		<b>113</b>

## MENTAL ABILITY (VERBAL)

Sl.No.	Topic Name	No. of Classes
1	Series	1
2	Coding & Decoding	2
3	Analogy	2
4	Classification	1
5	Number, Ranking & Time Sequence Test	1
6	Alphabet Test	1
7	Alpha - Numeric Sequence Puzzle	1
8	Direction Sense Test	1
9	Logical Venn Diagrams	1
10	Inserting The Missing Character	1
11	Mathematical Operations	1
12	Logical Sequence Of Words	1
13	Blood Relations	2
14	Puzzle Test	2
15	Statement Conclusions	2
16	Arithmetical Reasoning	1

## MENTAL ABILITY (NON-VERBAL)

17	Series	1
18	Mirror & Water Images	2
19	Analytical Reasoning	1
20	Dot Situation	2
21	Spotting Out The Embedded Figure	1
22	Analogy	1
23	Classification	1
24	Dice	2
25	Cube	2
26	Paper Folding & Paper Cutting	2
27	Completion Of Incomplete Pattern	1
28	Figure Matrix, Figure Formation, Construction of Squares & Grouping of Identical Figures	1
29	Olympiads Questions	1
<b>Total</b>		<b>39</b>