

# 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.

**Course Commencement: 05.04.2023 | Course Ends: 17.02.2024**

## 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

## HOLIDAYS / VACATIONS

**1. Resonance Foundation Day:** 11<sup>th</sup> April 2023 | **2. Summer Break:** 22<sup>nd</sup> May to 18<sup>th</sup> June 2023 | **3. Independence Day:** 15<sup>th</sup> August, 2023 | **4. Raksha Bandhan:** 30<sup>th</sup> August, 2023 | **5. Anant Chaturdashi:** 28<sup>th</sup> September, 2023 | **6. Dussehra:** 24<sup>th</sup> October, 2023 | **7. Deepawali Holidays:** 09<sup>th</sup> to 19<sup>th</sup> November, 2023 | **8. Winter Break:** 25<sup>th</sup> Dec. 2023 to 31<sup>st</sup> December, 2023 | **9. Makar Sankranti:** 14<sup>th</sup> January 2024 | **10. Republic Day:** 26<sup>th</sup> January, 2024: (Applicable only at Kota SC and at other SC's Deepawali vacation will be informed to students as per respective SC holiday calendar)

**PTSM Schedule:** 06<sup>th</sup> May, 2023 | 19<sup>th</sup> August, 2023 | 30<sup>th</sup> September, 2023 | 16<sup>th</sup> December, 2023 | 10<sup>th</sup> February, 2024 | 12<sup>th</sup> March, 2024

CALL US FOR MORE DETAIL :  
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# SUBJECT WISE SYLLABUS PLAN

## MATHEMATICS

S.No.	Topic Name	No. of Classes
1.	Number System	11
2.	Coordinate geometry	2
3.	Linear equation in two variable	3
4.	Introduction to euclid geometry	3
5.	Lines and angles	8
6.	Congruent triangle	9
7.	Heron's formula	4
8.	Statistics	9
9.	Polynomial	11
10.	Quadrilaterals	8
11.	Area of parallelograms and triangles	6
12.	Circles	8
13.	Constructions	5
14.	Surface area and volume	9
15.	Probability	2
16.	Revision	5
<b>Total</b>		<b>103</b>

## CHEMISTRY

S.No.	Topic Name	No. of Classes
1.	Matter in our surrounding	12
2.	Is matter Around us Pure	15
3.	Structure of Atom	9
4.	Atoms & Molecules	14
5.	Revision	2
<b>Total</b>		<b>52</b>

## PHYSICS

S.No.	Topic Name	No. of Classes
1.	Motion	11
2.	Circular Motion	3
3.	Newton's Laws of Motion	7
4.	Gravitation	9
5.	Fluid	8
6.	Work, Energy, Power	9
7.	Wave, Motion & Sound	8
<b>Total</b>		<b>55</b>

## BIOLOGY

S.No.	Topic Name	No. of Classes
1.	Cell	11
2.	Tissue	10
3.	Improvement of food resources	6
4.	Biodiversity	17
5.	Why do we fall ill	3
6.	Natural resources	4
<b>Total</b>		<b>51</b>

## ENGLISH

S.No.	Topic Name	No. of Classes
1.	Tense	2
2.	Conditionals	1
3.	Subject Verb Agreement	2
4.	Determiners	1
5.	The Fun they had	1
6.	The Road Not Taken	1
7.	The Lost child	1
8.	The sound of music	2
9.	The Adventures of TOTO	1
10.	Reported speech	2
11.	Writing section	1
12.	Wind, Iswaran the story teller	1
13.	Rain on the roof	1
14.	The little girl	1
15.	Modals	3
16.	A truly beautiful mind	1
17.	In the kingdom of fools	2
18.	The lake Isle of Innisfree	1
19.	The snake and the mirror, A legend of the northland	1
20.	The happy prince	2
21.	My childhood, No men are foreign	2
22.	Active and Passive voice	2
23.	Packing	1
24.	Prepositions	3
25.	Weathering the storm in Ersama	2
26.	The last leaf	1
27.	The duck and the kangaroo	1
28.	Reach for the top	1
29.	Connectors	2
30.	A house is not a home	2
31.	On killing a tree	1
32.	The bond of love, Writing Section	2
33.	The snake trying, Kathmandu A slumber did my spirit seal	3
34.	The accidental tourist	2
35.	If I were You	1
36.	The beggar	1
<b>Total</b>		<b>55</b>

SOCIAL SCIENCE		
S.No.	Topic Name	No. of Classes
1.	India – Size and Location	2
2.	The Story of Village Palampur	2
3.	The French Revolution	3
4.	Physical Features of India	3
5.	Constitutional Design	5
6.	What is Democracy ? Why Democracy?	3
7.	People as Resource	2
8.	Socialism in Europe and The Russian Revolution	4
9.	Drainage	3
10.	Nazism and The rise of Hitler	4
11.	Poverty as a Challenge	2
12.	Electoral Politics	3
13.	Climate	3
14.	Forest Society and Colonialism	2
15.	Natural Vegetation and Wildlife	2
16.	Pastoralists in the Modern World	2
17.	Working of Institutions	3
18.	Food Security in India	2
19.	Democratic Rights	3
20.	Population	4
21.	Revision	10
	<b>Total</b>	<b>67</b>

MENTAL ABILITY		
S.No.	Topic Name	No. of Classes
1.	Logical alphabet number	2
2.	Coding-decoding	2
3.	Number series	2
4.	"Series of letters"	2
5.	Missing term in figure	2
6.	"Mathematical operation"	1
7.	Direction sense	1
8.	Seating arrangement	2
9.	Blood relation	1
10.	Puzzle test	2
11.	Venn diagram	1
12.	Syllogism	2
13.	"Day, date and time sequence"	2
14.	Dice test	2
15.	Cube test	2
16.	"Mirror and water image,Paper cutting and folding"	1
17.	Figure partition & counting	1
18.	Nonverbal series	1
19.	Nonverbal analogy	1
20.	Nonverbal classification	1
21.	Revision	5
	<b>Total</b>	<b>36</b>

## School Examination Preparatory (SEP) Sheet: Schedule

S.No.	Test Syllabus					
	Physics	Chemistry	Mathematics	Biology	English	Social Science
1			Number System		Tense,Conditionals,Determiners Subject Verb Agreement	India – Size and Location + The Story of Village Palampur
2	Motion	Matter in our Surroundings	Coordinate geometry	Cell	The Fun they had,The Road Not Taken, The Lost child,The sound of music	Democracy in the Contemporary World + The French Revolution + Socialism in Europe & The Russian Revolution
3	Circular Motion		Linear equation in two variable	Tissue	The Adventures of TOTO,Reported speech Writing section, Wind	Physical Features of India+ What is Democracy ? Why Democracy ?
4	Newton's Laws of Motion		Introduction to euclid geometry		Iswaran the story teller,Rain on the roof The little girl	People as Resource+Drainage
5		Is Matter around us Pure	Lines and angles	Improvement in food Resources	Modals, Pronoun, Adjective A truly beautiful mind	Constitutional Design + Nazism and The rise of Hitler
6	Gravitation		Congruent triangle		In the kingdom of fools The lake Isle of Innisfree	
7	Fluid		Heron's formula		The snake and the mirror; A legend of the northland, The happy prince	Poverty as a Challenge
8			Statistics		Novel (Term-1) My childhood, No men are foreign	Electoral Politics
9			Polynomial		Active and Passive voice Packing	Climate + Natural Vegetation & Wildlife
10	Work Energy Power	Structure of Atom	Quadrilaterals	Bio Diversity	Prepositions Weathering the storm in Ersama	Forest Society and Colonialism+Pastoralists in the Modern World+Food Security in India
11			Area of parallelograms and triangles	Why do we fall ill ?	The last leaf,The duck and the kangaroo Reach for the top	Working of Institutions + Democratic Rights
12			Circles		Connectors The last leaf The duck and the kangaroo	Peasants and Farmers - The Coming of Modern Agriculture in England + Population
13			Constructions		A house is not a home On killing a tree,The bond of love, Clauses	
14	Wave, Motion & Sound	Atoms and Molecules	Surface area and volume	Natural Resources	The snake trying, Kathmandu A slumber did my spirit seal	Clothes and A social Culture
15			Probability		The accidental tourist,If I were You The beggar, Novel (Term-2)	

