

COURSE PLANNER

For Students of

CLASS-9th

REGULAR PROGRAM

Medium: **English**

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

Course Commencement: 07.04.2025 | Course Ends: 14.02.2026

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 2025-26. 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:** 393
- ♦ **Duration of one lecture:** 45 minutes
- ♦ **Total Duration of Classroom Teaching:** 295 hrs
- ♦ **Total Duration of Testing:** 48 hrs
- ♦ **Total Academic Hours:** 343 hrs

HOLIDAYS / VACATIONS

1. **Summer Break:** 18th May to 15th June 2025
2. **Raksha Bandhan:** 09th August, 2025
3. **Independence Day:** 15th August, 2025
4. **Anant Chaturdashi:** 06th September, 2025
5. **Dussehra:** 02nd October, 2025
6. **Deepawali Holidays:** 17th Oct. to 26th October, 2025
7. **Winter Break:** 28th Dec. 2025 to 04th January, 2026
8. **Makar Sankranti:** 14th January 2026
9. **Republic Day:** 26th January, 2026: (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: 10th May, 2025 | 23rd August, 2025 | 04th October, 2025 | 24th January, 2026 | 08th March, 2026

CALL US FOR MORE DETAIL :
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SUBJECT WISE SYLLABUS PLAN

MATHEMATICS

S.No.	Topic Name	No. of Classes
1.	Number System	10
2.	Coordinate geometry	3
3.	Linear equation in two variable	3
4.	Introduction to euclid geometry	2
5.	Lines and angles	9
6.	Congruent triangle	8
7.	Heron's formula	6
8.	Statistics	8
9.	Polynomial	10
10.	Quadrilaterals	4
11.	Area of parallelograms and triangles	10
12.	Circles	8
13.	Constructions	2
14.	Surface area and volume	4
15.	Probability	2
16.	Revision	5
	Total	94

CHEMISTRY

S.No.	Topic Name	No. of Classes
1.	Matter in our surrounding	8
2.	Is matter Around us Pure	15
3.	Structure of Atom	11
4.	Atoms & Molecules	10
5.	Revision	3
	Total	47

PHYSICS

S.No.	Topic Name	No. of Classes
1.	Motion	8
2.	Circular Motion	2
3.	Force & Laws of Motion	5
4.	Gravitation	6
5.	Fluid	8
6.	Work, Energy, Power	8
7.	Wave, Motion & Sound	10
8.	Revision	2
	Total	49

BIOLOGY

S.No.	Topic Name	No. of Classes
1.	Cell	12
2.	Tissue	7
3.	Improvement of food resources	3
4.	Biodiversity	14
5.	Why do we fall ill	5
6.	Revision	7
	Total	48

ENGLISH

S.No.	Topic Name	No. of Classes
1.	Tense	3
2.	Reading Comprehension	1
3.	Subject Verb Agreement	2
4.	Story writing Paragraph Writing	1
5.	The Fun they had	1
6.	Determiners	2
7.	The Road not taken, The lost Child	2
8.	The Sound of music	1
9.	The Adventures of Toto	1
10.	Reported speech	3
11.	Wind	1
12.	The Little Girl, Iswaran The Story Teller	2
13.	Rain on The Roof	1
14.	A Truly Beautiful Mind	2
15.	In the kingdom of Fool, The Lake Isle of Innisfree	2
16.	The Snake and the Mirror	2
17.	A Legend of the Northland	1
18.	The Happy Prince	1
19.	Modals	2
20.	My childhood	1
21.	No Men are foreign	1
22.	The last Leaf	1
23.	Reach for the Top	2
24.	A House is not a home	2
25.	Diary Entry	1
26.	On Killing A Tree	1
27.	"Kathmandu, A Slumber did my spirit seal"	2
28.	If I were You	3
29.	The Beggar	1
30.	Revision	9
	Total	55

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	4
4.	Physical Features of India	6
5.	Constitutional Design	3
6.	What is Democracy ? Why Democracy?	3
7.	People as Resource	3
8.	Socialism in Europe and The Russian Revolution	4
9.	Drainage	3
10.	Nazism and The rise of Hitler	5
11.	Poverty as a Challenge	2
12.	Electoral Politics	4
13.	Climate	6
14.	Natural Vegetation and Wildlife	2
15.	Working of Institutions	3
16.	Food Security in India	2
17.	Democratic Rights	2
18.	Population	3
19.	Forest Society and Colonialism	3
20.	Pastoralists in the Modern World	2
21.	Revision	4
	Total	68

MENTAL ABILITY		
S.No.	Topic Name	No. of Classes
1.	Logical alphabet number	2
2.	Coding-decoding	1
3.	Number series	3
4.	"Series of letters"	2
5.	Missing term in figure	2
6.	"Mathematical operation"	2
7.	Direction sense	1
8.	Seating arrangement	2
9.	Blood relation	1
10.	Puzzle test	1
11.	Venn diagram	1
12.	Syllogism	2
13.	"Day, date and time sequence"	3
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
	Total	32

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	Working of Institutions + 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	Democratic Rights + Population
12			Circles		Connectors The last leaf The duck and the kangaroo	Forest Society and Colonialism
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		The snake trying, Kathmandu A slumber did my spirit seal	Pastoralists in the Modern World
15			Probability		The accidental tourist,If I were You The beggar, Novel (Term-2)	

Academic Planning & Test Grid

Olympiad Pattern Cumulative Test (OCT), School Exam Preparatory Pattern Test (SEP), Major Test (MT) Syllabus									
Periodic Test (PT), Type & No.		Test Type	Physics	Chemistry	Mathematics	Biology	Social Science	English	Mental Ability
DPT1 (2 Hr) (Sc,M,SST, E,MAT)		Objective	Motion (Upto speed)	Matter in our Surrounding (upto classification of matter)	Number System (Till Geometric representation of real numbers)	Cell (upto Cell wall & cell membrane)	India – Size and Location, The Story of Village Palampur	Reading Comprehension, Tense	Logical alphabet number, coding- decoding (letter-letter coding, letter-number coding)
DCT1 (2 Hr) (Sc,M,SST, E,MAT)		Objective	Motion(Complete)	Matter in our Surrounding (upto Factors Affecting Evaporation)	Number System, Coordinate geometry, Linear Equation in two variables	Cell (upto single membranus organelles)	Village – Size and Location, The Story of Village Palampur, The French Revolution, Physical Features of India	Reading Comprehension, Tense, Subject Verb agreement, The Fun they had	Logical alphabet number, coding- decoding, number series
SEP1 (3 Hr /1.5 Hr) (Sc. & Eng)		Subjective (Online) (Offline)	Motion, Circular Motion, Force and Laws of Motion(Newton's 3rd law of motion)	Matter in our surrounding Is matter around us pure (upto types of solution)	NA	Cell Tissue (upto epithelial tissue)	NA	Reading Comprehension, Story telling, Paragraph Writing, Dictation, SVA, The road not taken, The lost Child, The Sound of Music	NA
SEP2 (3 Hr /1.5 Hr) (Maths & SST)		Subjective (Online) (Offline)	NA	NA	Number System, Coordinate geometry, Linear Equation in two variables, Introduction to Euclids geometry, Lines and Angles	NA	India – Size and Location, The Story of Village Palampur, The French Revolution, Physical Features of India, What is Democracy? Why Democracy?	NA	NA
DPT2 (2 Hr) (Sc,M,SST, E,MAT)		Objective	Motion (from Velocity), Circular Motion, Force and Laws of Motion, Gravitation (up to Mass and Weight)	Matter in our Surrounding (from Plasma and BEC), Is matter Around us Pure (upto Separation of mixture of solid and liquid)	Coordinate Geometry, Linear Equation in two variables, Introduction to Euclid geometry, Lines and Angles, Congruent triangles	Cell and Tissue	What is Democracy? Why Democracy? Constitutional Design, People as a Resource	Reported Speech, The Road not taken, The Little Prince, The Sound of Music, The Adventure of Toto, Reported speech	coding- decoding, number series, Series of letters, Missing term in figure, Mathematical operation, Direction sense
MT-1 Term-1 Subjective									
Half Yearly / Term-1 Dates: 8th to 20th Sep 2025									
DPT3 (2 Hr) (Sc,M,SST, E,MAT)		Objective	Gravitation (Weight of object on Moon), Fluid	Is matter Around us Pure , Atoms and molecules (upto Radicals and their types)	Herons formula, Statistics, polynomial (upto division algorithm)	Improvement in food Resources, diversity (upto plant diversity)	Drainage, Nazism and The rise of Hitler, Poverty as a Challenge	Reported Speech, In the Kingdom of fools, The Happy Prince, The Snake and the Mirror, A Truly beautiful Mind, Modals	Seating arrangement, Blood relation, Puzzle test, Venn diagram, Syllogism
DCT2 (2 Hr) (Sc,M,SST, E,MAT)		Objective	Motion, Circular Motion, Force and Laws of Motion, Gravitation, Fluid, Work, Energy & Power(upto Expression for kinetic energy)	Matter in our surrounding, s matter around us pure, Atoms and molecules(upto Atomic mass, Molecular mass, Formula mass and Fractional Atomic mass)	Number System, Coordinate Geometry, Linear Equation in two variables, Introduction to Euclid geometry, Lines and Angles, Congruent triangles, Herons formula, Statistics, Polynomials	Cell, Tissue, Improvement in food Resources, Biodiversity (upto level of organisation)	Socialism in Europe and The Russian Revolution, Drainage, Nazism and The rise of Hitler, Poverty as a Challenge ,Electoral Politics, Climate	Reading Comprehension, Determiners, Reported speech, Modals, Iswaran the story teller, My favourite thing, The beggar, The Last Leaf, Modals, Reported speech, Tense, The Last Leaf	Logical alphabet number, coding- decoding, number series, Series of letters, Missing term in figure, Mathematical operation, Direction sense, Figure pattern test, Venn diagram, Puzzle test, Venn diagram, Syllogism, Day, date and time sequence
SEP3 (3 Hr /1.5 Hr) (Sc. & Eng)		Subjective (Online) (Offline)	Fluid, Work, Energy and Power, Wave Motion and Sound (upto Difference Between Mechanical and Non Mechanical Wave)	Atom and molecules	NA	Biodiversity	NA	Reading Comprehension, Diary entry, Story writing, SVA, Reported Speech, Ready for the top, The Last Leaf, No Men are Foreign, Modals	NA
SEP4 (3 Hr /1.5 Hr) (Maths & SST)		Subjective (Online) (Offline)	NA	NA	Statistics, Polynomials, Quadrilaterals, Area of parallelogram and triangles	NA	Socialism in Europe and The Russian Revolution, Drainage, Nazism and The rise of Hitler, Poverty as a Challenge, Electoral Politics, Climate ,Natural Vegetation and Wildlife, Working of Institutions	NA	NA
DPT4 (2 Hr) (Sc,M,SST, E,MAT)		Objective	Work, Energy and Power, Wave Motion & Sound (up to Sonar)	Atoms and molecules, Structure of atom (till Quantum Number.)	Polynomials, Quadrilaterals, Area of parallelogram and triangles, Circles	Biodiversity , why do we fall ill	Natural Vegetation and Wildlife, Working of Institutions Food Security in India,	The Last Leaf, Reach for the top, The Snake and the Mirror, A Slumber did my spirit seal, A house is not a home, On Killing a tree, The Last Leaf, A truly beautiful Mind, The Beggar, were You	Day, date and time sequence, Dice test, Cubes test, Mirror and water image, Paper cutting and folding, Figure pattern test, coding- decoding, Venn diagram, Nonverbal analogy, Nonverbal classification

Annual Exam / Term-2 Dates: From 10th Feb to 4th March-2026

Date of Reshuffling of Batches: 23.06.2025 | 29.09.2025