

COURSE PLANNER

For Students of

CLASS-10th

(Board + Olympiad)

REGULAR PROGRAM

Medium: **English**

Course Concept: The Program prepare students for NCERT + OLYMPIADS & 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:** 330
- ♦ **Duration of one lecture:** 45 minutes
- ♦ **Total Duration of Classroom Teaching:** 248 hrs
- ♦ **Total Duration of Testing:** 70 hrs
- ♦ **Total Academic Hours:** 318 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

CALL US FOR MORE DETAIL :
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SUBJECT WISE SYLLABUS PLAN

MATHEMATICS

S.No.	Topic Name	No. of Classes
1.	Real Number	6
2.	Polynomial	7
3.	Linear equation in two variable	6
4.	Quadratic Equation	5
5.	Similar triangle	9
6.	Circle	4
7.	Trigonometry	7
8.	Height and Distances	3
9.	Area related to circles	3
10.	Surface area and volume	7
11.	Coordinate Geometry	5
12.	Probability	4
13.	Statistics	6
14.	Arithmetic Progression	4
15.	Revision	2
	Total	78

CHEMISTRY

S.No.	Topic Name	No. of Classes
1.	Chemical reaction and equation	8
2.	Acids, Bases and salts	9
3.	Metals and Nonmetals	9
4.	Carbon and its compounds	15
	Total	41

BIOLOGY

S.No.	Topic Name	No. of Classes
1.	Nutrition	5
2.	Respiration	5
3.	Transportation	5
4.	Excretion	4
5.	Control and coordination	7
6.	How Do Organisms Reproduce	4
7.	Heredity and Evolution	6
8.	Our Environment & Management Of Natural Resources	3
	Revision	2
	Total	41

ENGLISH

S.No.	Topic Name	No. of Classes
1	Tense	3
2	Reading Comprehension	1
3	Letter To God	1
4	Nelson Mandela	2
5	"P-1 Dust of snow, P2 - Fire and IceA Triumph of Surgery"	3
6	Two Stories About Flying (His First Flight)	1
7	Subject Verb Agreement	2
8	Reported Speech	4
9	Determiners	2
10	Letter Writing	1
11	P3: Tiger in the Zoo, P4: How to tell Wild Animals	2
12	The Thief's Story, The Midnight visitor	2
13	Modals	3
14	Question Of Trust	2
15	From the diary of anne frank	1
16	P 5:The Ball Poem	1
17	P 6: Amanda, Paragraph Writing	1
18	Footprints without feet,	1
19	The Making of a scientist	1
20	The Necklace, Glimpses of India	3
21	P 8: The trees, P 9: Fog	1
22	" P 10: The tale of Custard the dragon,P 11: For Anne Gregory"	1
23	Mijbil-the otter Bholi	2
24	Madam Rides The Bus	1
25	The Book That Saved The Earth	2
26	The Sermon at Benares	1
27	The Proposal	2
	Total	47

SOCIAL SCIENCE		
S.No.	Topic Name	No. of Classes
1	Power Sharing	2
2	Resources and Development	2
3	The Rise of Nationalism in Europe	4
4	Development	2
5	Federalism	2
6	Sectors of Indian Economy	2
7	Forest and Wildlife	1
8	Resources	1
9	Nationalism In India	4
10	The Making of a Global World	2
11	Gender Religion and caste	2
12	Water Resources	2
13	Agriculture	2
14	Minerals and Energy Resources	3
15	Money and Credit	2
16	Globalisation and the Indian Economy	2
17	Print Culture and the Modern World	4
18	Manufacturing Industries	4
19	Lifelines of the National Economy	4
20	Political Parties	2
21	Outcomes of Democracy	2
22	Map syllabus	1
23	The Age of Industrialisation, Challenges to Democracy	2
24	Consumer Rights	1
25	Revision	2
	Total	57

MENTAL ABILITY		
S.No.	Topic Name	No. of Classes
1	Alphabet test	2
2	coding-decoding	2
3	"Number series"	2
4	Alphabet series	1
5	Letter repeating series	1
6	Missing term in figure	1
7	"Mathematical operations,Direction sense test"	1
8	"Sitting arrangement,Ranking & ordering"	2
9	Blood relation	1
10	Puzzle test	1
11	Venn diagram,Syllogism	2
12	Analogy,Classification	1
13	Calendar test	1
14	Dice test,Cube test	1
15	"Figure partition & counting,Mirror image & Water image, Paper cutting & folding,Completion & formation of figure,Figure embedded"	1
16	Nonverbal series	1
17	Nonverbal analogy, Nonverbal classification	1
18	Logical sequence of words	2
19	Logical Deduction	1
	Total	25

PHYSICS		
S.No.	Topic Name	No. of Classes
1	Light	17
2	Electricity	14
3	Magnetic Effect of Electrical Current	10
	Total	41

School Examination Preparatory (SEP) Sheet: Schedule

S.No.	Test Syllabus					
	Physics	Chemistry	Mathematics	Biology	English	Social Science
1			Real Number	Nutrition	Tense	Power Sharing
2		Chemical Reactions and Equations	Polynomial	Respiration	Reading Comprehension + Letter To God+ Nelson Mandela	Resources and Development
3	Light		Linear equation in two variables	Transportation	"P-1 Dust of snow, P2 - Fire and Ice A Triumph of Surgery"	The Rise of Nationalism in Europe +Development
4			Quadratic equations	Excretion	Two Stories About Flying (His First Flight) + Subject Verb Agreement	Federalism + Sectors of Indian Economy
5	Electricity	Acids, Bases and Salts	Similar triangle	Control and Co-ordination	Reported Speech + Determiners + Letter Writing	Forest and Wildlife + Resources
6			Circles		P3: Tiger in the Zoo, P4: How to tell Wild Animals	Nationalism In India + The Making of a Global World
7		Metals & Nonmetals	Trigonometry	How Do Organisms Reproduce	The Thief's Story, The Midnight visitor	Gender Religion and caste+ Water Resources +Agriculture
8	Magnetism		Heights and distances		Modals + Question Of Trust+ From the diary of anne frank	Minerals and Energy Resources + Money and Credit
9			Area related to circles		P 5:The Ball Poem+ P 6: Amanda, Paragraph Writing	Globalisation and the Indian Economy
10		Carbon and Its compounds	Surface area and volume		Footprints without feet,+ The Making of a scientist	Print Culture and the Modern World + Manufacturing Industries
11			Coordinate geometry		The Necklace, Glimpses of India+ P 8: The trees, P 9: Fog	Lifelines of the National Economy
12			Probability	Heredity and Evolution	P 10: The tale of Custard the dragon, P 11: For Anne Gregory"	Political Parties + Outcomes of Democracy
13			Statistics	Our Environment	Mijbil-the otter' Bholi+ Madam Rides The Bus	Map syllabus
14			Arithmetic Progression	Management of Natural Resources	The Book That Saved The Earth	The Age of Industrialisation, Challenges to Democracy
15					The Sermon at Benares+ The Proposal	Consumer Rights

Academic Planning & Test Grid

Olympiad Pattern Cumulative Test (OCT), Board Pattern Test (BPT), Major Test (MT) Syllabus									
Periodic Test Type & No.	P.T. Date	Test Type	Physics	Chemistry	Mathematics	Biology	Social Science	English	Mental Ability
OPT1 (2 Hr) (Sc,M,SST, E,MAT)	26.04.25	Objective	Light (till images and image formed by plane mirror)	Chemical reaction and equations (upto types of chemical reaction-upto addition rxn)	Real Number	Nutrition (upto Factors affecting Photo Synthesis)	Power sharing, Resources and development	Reading Comprehension ,Tense	Alphabet test, coding-decoding (Letter-letter coding, Letter number coding,)
OCT1 (2 Hr) (Sc,M,SST, E,MAT)	17.05.25	Objective	Light (upto Refraction of light, laws of refraction, Refractive index, Effects of refraction of Light)	Chemical reaction and equations	Real Number, Polynomial	Nutrition, Respiration (upto Structure of human respiratory system)	Power sharing, Resources and Development, The rise of Nationalism in Europe, Development, Federalism	Tense , Reading comprehension, A Letter to God, Nelson Mandela, Dust Of Snow, Fire and Ice	Alphabet test, coding decoding, Number series
BPT1 (3 Hr / 1.5 Hr) (Sc, & Eng)		Subjective (Offline) / Objective (Online)	Light (Upto Power of lens, Lens formula, magnification)	Chemical reaction and equation, acids and bases and salts (till chemical properties of acids)	NA	Nutrition, Respiration	NA	Reading comprehension, Letter Writing, Tense, SVA, Nelson Mandela, Dust of Snow, Fire and Ice, A Triumph of Surgery, Two Stories About Flying, Letter writing	NA
BPT2 (3 Hr / 1.5 Hr) (Mains & SST)	12.07.25	Subjective (Offline) / Objective (Online)	NA	NA	Real Number, Polynomial, Linear equation in two variables, Quadratic equations	NA	Power sharing, Resources and Development ,The Rise of Nationalism in Europe, Development, Federalism, Sectors of Indian Economy, Forest and Wildlife Resources,	NA	NA
OPT2 (2 Hr) (Sc,M,SST, E,MAT)	16.08.25	Objective	Light (from Rectilinear propagation of light), Electricity (up to Coulomb's law)	Chemical reaction and equation, Acids, Bases and salts	Linear Equation in two variable, Quadratic equations, Arithmetic Progression, Similar Triangle	Transportation, Excretion	Sectors of Indian Economy, Forest and Wildlife Resources , Nationalism In India, The Making of a Global World, Gender Religion and caste, Water Resources	Subject: Verb Agreement, Reported Speech, Determiners, two stories about flying, P 3; Tiger in the Zoo, P4; How to tell Wild Animals, The Thief's Story	coding-decoding, Number series, alphabet series, Letter repeating series, Missing term in figure, Mathematical operations, Direction sense test, Sitting arrangement, Ranking & ordering, Blood relation, puzzle test

Half Yearly / Term-1 Dates: 8th to 20th Sep 2025

OPT3 (2 Hr) (Sc,M,SST, E,MAT)	11.10.25	Objective	Electricity (from Electric field to Heating Effect of current)	Metal and Non Metals	Coordinate geometry, Trigonometry, Heights and Distances	Control & Coordination	Minerals and energy resources, Money and credit, Globalisation in Indian economy, Print culture and the modern world,	Reported Speech, From the Diary of Anne Frank, The Ball poem, Question Of Trust, Modals , Footprints without feet,	Venn diagram, Syllogism, Analogy, Classification, Calendar test, Dice test, Cube test, Figure partition & counting, Mirror image & Water image, Paper cutting & folding, Completion & formation of figure, Figure embedded
OCT2 (2 Hr) (Sc,M,SST, E,MAT)	08.11.25	Objective	Light, Electricity	Chemical reaction and equation Acids bases and salts metal and non metals Carbon and its compound (upto Allotropes of Carbon)	Real Number, Polynomial, Linear Equation in two Variable, Quadratic equations , Arithmetic Progression, Similar Triangle, Coordinate geometry, Trigonometry, Heights and Distances, circle, Area related to circles	Nutrition, Respiration, Transportation, Excretion, Control & Coordination ,How Do Organisms Reproduce (up to Sexual reproduction in plants)	Globalisation and the Indian Economy, Print Culture, Manufacturing Industries, Lifelines of the National Economy	Reading comprehension, Tense, SVA, Reported speech, Footprints without feet, The making of a scientist, The Bakers of Goa, The Necklace, Modals , The Necklace, Modals , P3; Tiger in the Zoo P4; How to tell Wild Animals	Full syllabus
BPT3 (3 Hr /1.5 Hr) (Sc. & Eng)	04.12.25	Subjective (Offline) Objective (Online)	Electricity, Magnetic effect of electric Current (Upto Magnetic field due to current carrying circular coil)	Metal and non metals Carbon and its compound (upto Isomerism)	NA	Control & Coordination, How Do Organisms Reproduce, Heredity	NA	Reading comprehension, Letter and Paragraph writing, Tense, Modals, SVA, The tree, Fog, The tale of Custard the dragon, For Anne Gregory, Miphi-The Otter, Bholi, Madam Rides the Bus, The Book That Saved The Earth	NA
BPT4 (3 Hr /1.5 Hr) (Mains & SST)	06.12.25	Subjective (Offline) Objective (Online)	NA	NA	Heights and Distances, circle, Area related to circles, Surface area and volume, Statistics	NA	Globalisation and the Indian Economy, Print Culture, Manufacturing Industries, Lifelines of the National Economy, Political Parties , Outcomes of Democracy	NA	NA

Pre Board / Term-2 Dates: 15th Dec-2025 to 31 Jan-2026

Date of Reshuffling of Batches: 23.06.2025 | 29.09.2025