

COURSE PLANNER

For Students of

CLASS-10th
(CBSE)

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:** 355
- ♦ **Duration of one lecture:** 50 minutes
- ♦ **Total Duration of Classroom Teaching:** 296 hrs
- ♦ **Total Duration of Testing:** 84 hrs
- ♦ **Total Academic Hours:** 380 hrs

HOLIDAYS / VACATIONS

1. Resonance Foundation Day: 11th April 2023 | **2. Summer Break:** 22nd May to 18th June 2023 | **3. Independence Day:** 15th August, 2023 | **4. Raksha Bandhan:** 30th August, 2023 | **5. Anant Chaturdashi:** 28th September, 2023 | **6. Dussehra:** 24th October, 2023 | **7. Deepawali Holidays:** 09th to 19th November, 2023 | **8. Winter Break:** 25th Dec. 2023 to 31st December, 2023 | **9. Makar Sankranti:** 14th January 2024 | **10. Republic Day:** 26th 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: 06th May, 2023 | 19th August, 2023 | 30th September, 2023 | 16th December, 2023 | 10th February, 2024 | 12th March, 2024

CALL US FOR MORE DETAIL :
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SUBJECT WISE SYLLABUS PLAN

MATHEMATICS

S.No.	Topic Name	No. of Classes
1.	Real Number	7
2.	Polynomial	7
3.	Linear equation in two variables	6
4.	Similar triangle	8
5.	Trigonometry	6
6.	Area related to circles	4
7.	Probability	3
8.	Coordinate geometry	5
9.	Quadratic equations	4
10.	Arithmetic Progression	6
11.	Circles	4
12.	Heights and distances	2
13.	Surface area and volume	7
14.	Statistics	7
15.	Constructions	4
Total		80

CHEMISTRY

S.No.	Topic Name	No. of Classes
1.	Chemical reaction and equation	7
2.	Periodic classification of elements	8
3.	Acids, Bases and salts	7
4.	Metals and Nonmetals	7
5.	Carbon and its compounds	19
Total		48

BIOLOGY

S.No.	Topic Name	No. of Classes
1.	Nutrition	8
2.	Respiration	5
3.	Transportation	3
4.	Excretion	3
5.	Control and coordination	11
6.	How Do Organisms Reproduce	7
7.	Heredity and Evolution	7
8.	Our Environment & Management Of Natural Resources	3
Total		47

ENGLISH

S.No.	Topic Name	No. of Classes
1	Tense	3
2	Reading Comprehension, A Letter to God	1
3	Nelson Mandela	2
4	P-1 Dust of snow ,P2 - Fire and Ice	1
5	A triumph of Surgery	1
6	Subject Verb agreement	2
7	Two stories about flying (His First Flight)	1
8	Reported Speech	2
9	Determiners, Writing section	2
10	Two stories about flying (Black aeroplane)	1
11	P 3:A Tiger in the Zoo, The thief's Story	1
12	The Midnight visitor, P 4: How to tell wild animals	2
13	Modals	2
14	A Question of trust, From the diary of Anne Frank	2
15	From the diary of Anne Frank, P 5:The Ball Poem,P 6: Amanda	2
16	Footprints without feet	1
17	The Hundred dresses (part -1,2)	1
18	Active and passive voice	2
19	The making of a scientist,	1
20	The Necklace	1
21	Prepositions, Connectors	2
22	P 7: Animals	1
23	Glimpses of India, Writing Section	1
24	P 8: The trees,P 9: Fog,Clauses	1
25	P 10: The tale of Custard the dragon, P 11: For Anne Gregory,	1
26	The Hack Driver, Mijbil-the otter	1
27	Bholi, Madam rides the bus	1
28	The Book that saved the Earth, The sermon at Banares	2
29	The Proposal	1
Total		42

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	Agriculture	2
8	Nationalism In India	4
9	Democracy and Diveristy	2
10	The Making of a Global World	4
11	Gender Religion and caste	2
12	Forest and Wildlife Resources	2
13	The Age of Industrialisation	3
14	Minerals and Energy Resources	2
15	Money and Credit	2
16	Popular Struggles and Movements	3
17	Globalisation and the Indian Economy	3
18	Print Culture and the Modern World	3
19	Water Resources	1
20	Manufacturing Industries	2
21	Lifelines of the National Economy	2
22	Consumer Rights	2
23	Political Parties	2
24	Outcomes of Democracy	2
25	Challenges to Democracy	2
	Total	59

MENTAL ABILITY		
S.No.	Topic Name	No. of Classes
1	Alphabet test	1
2	coding-decoding	2
3	"Number series"	2
4	Alphabet series	1
5	Letter repeating series	1
6	Missing term in figure	2
7	"Mathematical operations,Direction sense test"	2
8	"Sitting arrangement,Ranking & ordering"	2
9	Blood relation	1
10	Puzzle test	2
11	Venn diagram,Syllogism	1
12	Analogy,Classification	2
13	Pyramid test	1
14	Calendar test	2
15	Dice test,Cube test	2
16	clock test	1
17	"Figure partition & counting,Mirror image & Water image, Paper cutting & folding,Completion & formation of figure,Figure embedded"	2
18	Nonverbal series	1
19	Nonverbal analogy, Nonverbal classification	1
20	Logical sequence of words	1
21	Logical Deduction	1
	Total	31

PHYSICS		
S.No.	Topic Name	No. of Classes
1	Light	15
2	Electricity	16
3	Magnetic Effect of Electrical Current	11
4	Source of Energy	5
	Total	48

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	Conditionals + Two Gentlemen of Verona	Resources and Development
3	Light		Linear equation in two variables	Transportation	The frog and the nightingale + SVA	The Age of Industrialisation + Federalism + The Making of a Global World
4		Periodic Classification of elements	Quadratic equations	Excretion	Mrs. Packletide's Tiger + Reported speech + Modals	Sectors of Indian Economy + Forest & Wild Life Resources
5	Electricity	Acids, Bases and Salts	Similar triangle	Control and Co-ordination	Determiners + Not Marble nor the Gilded Monuments	Work, Life and leisure: Cities in The Contemporary World + Democracy & Diversity
6			Circles		The dear departed + Novel	Water Resources + Print Culture and the Modern World + Agriculture
7		Metals & Nonmetals	Trigonometry	How Do Organisms Reproduce	Letter/story/article writing + Dialogue completion + editing + omission + newspaper headlines + Prepositions	Gender, Religion and Caste + Novel Society & History + Minerals & Energy Resources
8	Magnetism		Heights and distances		Active Passive Voice + Connectors	The Rise of Nationalism in Europe + Money & Credit + Globalisation and the Indian Economy
9			Area related to circles		Ozymandias + Rime of the Ancient Mariner	Popular Struggles and Movements + Nationalism in India
10		Carbon and Its compounds	Surface area and volume		Shady plot + Patol babu	Consumer Rights + Lifelines of the National Economy
11			Coordinate geometry			Manufacturing Industries
12			Probability	Heredity and Evolution		
13	Sources of Energy		Arithmetic Progression	Our Environment	Virtually True	Political Parties, Outcomes of Democracy
14			Statistics	Management of Natural Resources	Julius Caesar + Dialogue completion + Editing + Omission + Newspaper Headlines	
15			Constructions		Novel	Challenges to Democracy

Academic Planning & Test Grid

Periodic Test Type & No.		Test Type		Physics		Chemistry		Mathematics		Biology		Social Science		English		Mental Ability	
NPT1 (2+1=3 Hr) (SAT+MAT)	30.04.23	Objective	Light (till image formed by plane mirror)	Chemical reaction and equations (till balancing of chemical reaction)	Real Number	Class X : Nutrition (upto Photo Synthesis)	Power sharing, Resources and development, Rise of Nationalism in Europe	NA	Alphabet test, Coding-Decoding								
BPT1 (3 Hr/1.5 Hr) (Maths & SST)	14.06.23	Subjective (Offline) Objective (Online)	NA	Chemical reaction and equation complete	Real Number	NA	Resources and Development, The rise of Nationalism in Europe, Development, Federalism.	NA	NA								
BPT2 (3 Hr/1.5 Hr) (Sc. & Eng)	25.06.23	Subjective (Offline) Objective (Online)	Light (Till Refraction through prism)	Chemical reaction and equation + acids and bases and salts upto dilution of acids and bases	NA	Class X : Nutrition, Respiration (Upto Respiration in animals)	NA	Tense Reading God Nelson Mandela A triumph of surgery, Dust of Snow, Fire and Ice	NA								
NPT2 (2+1=3 Hr) (SAT+MAT)	09.07.23	Objective	Light (Complete)	Chemical reaction and equation + acids and bases	Real Number, Polynomial, Linear equation in two variables	Class X : Nutrition, Respiration,	Power sharing, Resource and development, Development, Federalism, Sectors of Indian Economy, Nationalism in India, Agriculture	NA	Number series, alphabet series, Letter repeating series, Missing term in figure								
BPT3 (3 Hr/1.5 Hr) (Maths & SST)	23.07.23	Subjective (Offline) Objective (Online)	NA	Chemical reaction and equation ,Acids, Bases and salts	Polynomials, 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, Nationalism in India	NA	NA								
BPT4 (3 Hr/1.5 Hr) (Sc. & Eng)	06.08.23	Subjective (Offline) Objective (Online)	Electricity (till Ohm's law)	chemical reaction and equation and acids bases and salts and metal and non metals	NA	Respiration, Transportation, Excretion (upto Excretion in animals)	NA	Reading Comprehension, Tense, Subject Verb Agreement, Reported Speech, Determiners, Writing section (Letter writing), Two stories about flying, P.3: Tiger in the Zoo The Thief's Story	NA								
NPT3 (2+1=3 Hr) (SAT+MAT)	27.08.23	Objective	Light, Electricity (till Numerical of Series & Parallel Combination)	chemical reaction and equation and acids bases and salts and metal and non metals	Real Number, Polynomial, Linear Equation in two Variable, Quadratic equations ,Similar Triangle, Circles Trigonometry	Transportation, Excretion, Control & Coordination,(till Coordination in plants)	Power sharing, Agriculture, The Making of a Global World, Gender Religion and caste, Forest and Wildlife Resources	NA	Mathematical operations, Direction sense test, Sitting arrangement, Ranking & ordering, Blood relation								
MI-1 Term-1 Subjective																	
NPT4 (2+1=3 Hr) (SAT+MAT)	15.10.23	Objective	Class-X: Light, Electricity	Acids bases and salts metal and non metals Periodic Table	Real Number, Polynomial, Linear Equation in two Variable, Quadratic Equation, Similar Triangle, Circles, Trigonometry, Heights and Distances, Area Related to Circles	Class X : Nutrition, Respiration, Transportation, Excretion, Control & Coordination (Till Neuron)	Power sharing, Resource and development, Development, Sectors of Indian Economy, The Making Of a Global World, Gender, Religion and Caste, Agriculture, The Age of Industrialisation, Minerals and energy resources, Money and credit	NA	Alphabet test, coding-decoding, Number series, alphabet series, Letter repeating series, Missing term in figure, Direction sense test, Sitting arrangement, Ranking & ordering, Blood relation, puzzle test, Venn diagram, Syllogism, Analogy								
BPT5 (3 Hr/1.5 Hr) (Maths & SST)	05.11.23	Subjective (Offline) Objective (Online)	NA	NA	Area related to circles, Surface area and volume	NA	Nationalism in Europe Sectors of Indian Economy, Gender, Religion and Caste, Agriculture, The Age of Industrialisation, Minerals and energy resources, Money and credit, Globalisation in Indian economy, Print culture	NA	NA								
BPT6 (3 Hr/1.5 Hr) (Sc. & Eng)	26.11.23	Subjective (Offline) Objective (Online)	Electricity (from Electric Energy), Magnetic Effect of electric current (till Force on a current-carrying conductor in a magnetic field, Electric Motor)	Periodic table and carbon till IUPAC	NA	Control and coordination & How Do Organisms Reproduce	NA	Letter writing, Story writing, Reading comprehension, Prepositions, Connectors , Clauses, P 10: The tale of Custard the dragon, P 11: For Anne Gregory, The Hack Driver, Mujib- The Other, Ghul, MadamTides the Bus	NA								
BPT7 (3 Hr/1.5 Hr) (Maths & SST)	17.12.23	Subjective (Offline) Objective (Online)	NA	NA	Coordinate geometry, Probability , Statistics	NA	Agriculture, The Age of Industrialisation, Minerals and Energy Resources, Money and Credit, Globalisation and the Indian Economy, Print Culture, Water Resources Manufacturing Industries, Political Parties, Lifelines of the National Economy	NA	NA								
BPT8 (3 Hr/1.5 Hr) (Sc. & Eng)	07.01.24	Subjective (Offline) Objective (Online)	Magnetic Effect of electric current, SOE (Till Solar Heating Devices- solar cooker & Solar cells)	Periodic Classification of Elements, Carbon and its Compounds	NA	Full syllabus	NA	Letter writing, Story writing, Reading comprehension, Prepositions, Connectors , Clauses, P 10: The tale of Custard the dragon, P 11: For Anne Gregory, The Hack Driver, Mujib- The Other, Ghul, MadamTides the Bus	NA								
MI-2 Pre Board Subjective																	
Major Test Term-1 Dates: 4th to 16th Sep 2023																	
Major Test Term-2 Dates: 10 Jan to 18 Feb-24																	