

COURSE PLANNER

For Students of

CLASS-10th

(NTSE)

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: 463
- ♦ Duration of one lecture: 50 minutes
- ♦ Total Duration of Classroom Teaching: 386 hrs
- ♦ Total Duration of Testing: 91 hrs
- ♦ Total Academic Hours: 477 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.	Quadratic equations	4
5.	Similar triangle	10
6.	Circles	4
7.	Trigonometry	7
8.	Heights and distances	2
9.	Area related to circles	4
10.	Surface area and volume	8
11.	Coordinate geometry	6
12.	Probability	3
13.	Arithmetic Progression	7
14.	Statistics	7
15.	Constructions	4
16.	Revision	19
	Total	105

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	21
6.	Revision	10
	Total	60

BIOLOGY

S.No.	Topic Name	No. of Classes
1.	Nutrition	8
2.	Respiration	5
3.	Transportation	3
4.	Excretion	3
5.	Control and coordination	13
6.	How Do Organisms Reproduce	8
7.	Heredity and Evolution	8
8.	Our Environment & Management Of Natural Resources	3
9.	Revision	8
	Total	59

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)	2
18	Active and passive voice	2
19	The making of a scientist,	2
20	The Necklace	2
21	Prepositions, Connectors	3
22	P 7: Animals	1
23	Glimpses of India, Writing Section	2
24	P 8: The trees,P 9: Fog,Clauses	3
25	P 10: The tale of Custard the dragon, P 11: For Anne Gregory,	1
26	The Hack Driver, Mijbil-the otter	2
27	Bholi, Madam rides the bus	2
28	The Book that saved the Earth, The sermon at Banares	2
29	The Proposal	2
	Total	52

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	4
19	Water Resources	1
20	Manufacturing Industries	3
21	Lifelines of the National Economy	2
22	Consumer Rights	2
23	Political Parties	3
24	Outcomes of Democracy	2
25	Challenges to Democracy	2
26	Revision	17
	Total	79

MENTAL ABILITY		
S.No.	Topic Name	No. of Classes
1	Alphabet test	1
2	coding-decoding	2
3	"Number series"	2
4	alphabet series	2
5	Letter repeating series	1
6	Missing term in figure	2
7	"Mathematical operations,Direction sense test"	3
8	"Sitting arrangement,Ranking & ordering"	3
9	Blood relation	1
10	Puzzle test	2
11	Venn diagram,Syllogism	3
12	Analogy,Classification	2
13	Pyramid test	1
14	Calendar test	2
15	Dice test,Cube test	2
16	clock test	2
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, Arithmetical, Reasoning	2
22	Revision	10
	Total	48

PHYSICS		
S.No.	Topic Name	No. of Classes
1	Light	16
2	Electricity	17
3	Magnetic Effect of Electrical Current	12
4	Source of Energy	5
5	Revision	10
	Total	60

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

NTSE Pattern Cumulative Test (NCT), School Exam Preparatory Pattern Test (SEPT), Major Test (MT) Syllabus					English	Mental Ability			
Periodic Test Type & No.	P.T. Date	Test Type	Physics	Chemistry	Mathematics	Biology	Social Science		
NC11 (2+1=3 Hr) (SAT+MAT)	30.04.23	Objective	Light (till image formed by plane mirror)	Class IX:- Matter-1 + Structure of atom Class X :- Chemical reaction and equations (till Balancing of reaction)	Class X:Real Number, Class IX: Number System, Polynomials	Class X: Nutrition (upto Factors affecting Photosynthesis) Class IX-cell,tissue	Power sharing, Resources and development, Rise of Nationalism in Europe, IX (Geography all)	NA	Alphabet test, coding-decoding
SEP1 (3 Hr/1.5 Hr) (Maths & SST)	14.06.23	Subjective (Offline) /Objective (Online)	NA	NA	Class X:-Real Number	NA	The rise of Nationalism in Europe, Development, Federalism, Sectors of Indian Economy	NA	Alphabet test, coding-decoding
SEP2 (3 Hr/1.5 Hr) (Sc. & Eng)	25.06.23	Subjective (Offline) /Objective (Online)	Light (till Refraction through glass slab-lateral shift)	Chemical reaction and equation complete	NA	Class X : Nutrition, Respiration (Till the Mechanism of Breathing)	NA	Tense, Reading Comprehension, Gender, Mendel's experiment, triumph of surgery, Dust of Snow, Fire and Ice	NA
NC12 (2+1=3 Hr) (SAT+MAT)	09.07.23	Objective	Class-IX: Motion; Force and Law of Motion Class-X: Light (upto Lens formula)	Class IX:- Matter 2. + Atoms and Molecules Class X:-Chemical reaction, Periodic table	Class X:Real Number, Polynomial, Linear Equation in two variable, Quadratic equations, Class IX: Number System, Polynomial, Lines and Angles, Congruent Triangle, Quadrilaterals	Class X : Nutrition, Respiration, Transportation (upto Function of blood) Class IX: Diversity, Improvement in food Resources	Power sharing, Resource and development, The rise of Nationalism in Europe, Development, Federalism, Sectors of Indian Economy, Nationalism in India, The Making of a Global World	NA	Alphabet test, coding-decoding, repeating series, Missing term in figure, Mathematical operations, Direction sense test
SEP3 (3 Hr/1.5 Hr) (Maths & SST)	23.07.23	Subjective (Offline) /Objective (Online)	NA	NA	Class X: Polynomials, Linear equation in two variables, Quadratic equations	NA	Federalism, Sectors of Indian Economy, Forest & Wild Life Resources, Nationalism in India, The Making Of a Global World , Gender, Religion and Caste, Agriculture.	NA	NA
SEP4 (3 Hr/1.5 Hr) (Sc. & Eng)	06.08.23	Subjective (Offline) /Objective (Online)	Electricity (till Ohm's law)	Periodic Table & Acids bases and salts(Upto classification of salts)	NA	Transportation, Excretion, Control & Coordination (upto endocrine system)	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
NC13 (2+1=3 Hr) (SAT+MAT)	27.08.23	Objective	Class-IX: Gravitation and fluid Class-X: Light, Electricity	Class X:- Periodic Table + Acid Base and Salts + Metals and Nonmetals upto metallurgy	Class X: Real Number, Polynomial, Linear Equation in two Variable, Quadratic Equation, Congruent Triangles, Similar Figures, Heights and Distances upto Related to Circles, Class IX: Number System, Polynomial, Lines and Angles, Congruent Triangle, Quadrilaterals, Circles	Class X : Excretion, Control & Coordination, How do organisms Reproduce (till Pollination) Class IX: why do we fall ill, Natural Resources	Nationalism in India, The Making Of a Global World, Gender, Religion and Caste, Agriculture The Age of Industrialisation, Money and Credit, Globalisation and the Indian Economy, Print culture and the modern world + IX (Pot. Science All)	NA	Alphabet test, coding-decoding, Number series, Missing term in figure, Mathematical operations, Direction sense test, Sitting arrangement, Ranking & diagram, Syllogism, Analogy, Classification, Pyramid test, calendar test

Major Test Term-1 Dates: 4 th to 16 th Sep 2023									
MI-1 Term-1 Subjective	Full syllabus	Full syllabus	Full syllabus	Full syllabus	Full syllabus	Full syllabus	Full syllabus	Full syllabus	Full syllabus
FST1 (4 Hr) (SAT+MAT)	15.10.23	Objective	Full syllabus	Full syllabus	Read Number, Polynomial, Linear Equation in two Variable, Quadratic equations, Similar Triangle, Circles, Trigonometry, Heights and Distances, Area related to circles, Surface area and volume, Coordinate geometry, Probability	Full syllabus	Full syllabus	NA	Full syllabus
FST2 (4 Hr) (SAT+MAT)	22.10.23	Objective	Full syllabus	Full syllabus	Full Syllabus of Class IX and X	Full syllabus	Full syllabus	NA	Full syllabus
FST3 (4 Hr) (SAT+MAT)	29.10.23	Objective	Full syllabus	Full syllabus	Full Syllabus of Class IX and X	Full syllabus	Full syllabus	NA	Full syllabus
FST4 (4 Hr) (SAT+MAT)	05.11.23	Objective	Full syllabus	Full syllabus	Full Syllabus of Class IX and X	Full syllabus	Full syllabus	NA	Full syllabus
SEP5 (3 Hr/1.5 Hr) (Maths & SST)	26.11.23	Subjective (Offline) /Objective (Online)	NA	NA	Surface area and volume, Coordinate Geometry, Probability	NA	Development, Sectors of Indian Economy, The making of Global World, Gender, Religion and Caste, Agriculture, The Age of Industrialisation, Minerals and Energy Resources, Money and Credit, Globalisation and the Indian Economy, Print Culture, Manufacturing Industries, Political Parties, Outcomes of Democracy,	NA	NA
SEP6 (3 Hr/1.5 Hr) (Sc. & Eng)	17.12.23	Subjective (Offline) /Objective (Online)	Electricity, Magnetic effect of electric Current & EMI, Source of Energy (Term-2 syllabus)	Metals and Nonmetals + Carbon and its Compounds upto Isomerism	NA	Control & Coordination, How do organisms Reproduce, Heredity & Evolution	NA	Letter writing, Story writing, Reading comprehension, Footprints without feet, Reported Speech, SVA, Models-The Hundred dresses (Part 1 and 2), Active and Passive voice, The making of a global world, Necklace, Trees, Animals	NA

Major Test Term-2 Dates: 10 Jan to 18 Feb-24

Date of Reshuffling of Batches: 19.06.2023 | 25.09.2023

Pre Board Subjective

MT-2