



COURSE PLANNER

For Students of

CLASS-7th

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: 03.04.2024 | Course Ends: 15.02.2025

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 2024-25. 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:** 432
- ♦ **Duration of one lecture:** 45 minutes
- ♦ **Total Duration of Classroom Teaching:** 324 hrs
- ♦ **Total Duration of Testing:** 56 hrs
- ♦ **Total Academic Hours:** 380 hrs

HOLIDAYS / VACATIONS

- 1. Summer Break:** 20th May to 15th June 2024
- 2. Independence Day:** 15th August, 2024
- 3. Raksha Bandhan:** 19th August, 2024
- 4. Anant Chaturdashi:** 17th September, 2024
- 5. Dussehra:** 12th October, 2024
- 6. Deepawali Holidays:** 28th Oct. to 05th November, 2024
- 7. Winter Break:** 30th Dec. 2024 to 04th January, 2025
- 8. Makar Sankranti:** 14th January 2025
- 9. Republic Day:** 26th January, 2025: (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: 04th May, 2024 | 03rd August, 2024 | 28th September, 2024 | 21st December, 2024 | 08th March, 2025

CALL US FOR MORE DETAIL :
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SUBJECT WISE SYLLABUS PLAN

MATHEMATICS

S.No.	Topic Name	No. of Classes
1.	Integers	6
2.	Fractions & Decimals	10
3.	Rational numbers	8
4.	Lines and Angles	7
5.	Triangles	7
6.	Congruency of Triangles	6
7.	Exponents	2
8.	Algebraic Expressions	10
9.	Data Handling	6
10.	Probability	4
11.	Construction	4
12.	Symmetry and visualizing solid shapes	3
13.	Mensuration	9
14.	Linear equation	5
15.	Ratio & Proportion	4
16.	Percentage	5
17.	Profit, Loss & Discount	4
18.	Simple Interest	3
19.	Revision	5
Total		108

CHEMISTRY

S.No.	Topic Name	No. of Classes
1.	General Chemistry	16
2.	Fibre to Fabric	9
3.	Acids, Bases and Salts	13
4.	Physical and Chemical Changes	4
5.	Water - A Precious Resource	12
Total		54

BIOLOGY

S.No.	Topic Name	No. of Classes
1.	Nutrition in organisms	8
2.	Weather, climate and Adaptation	5
3.	Respiration	7
4.	Transportation	7
5.	Forest our life line	5
6.	Soil	4
7.	Reproduction	7
8.	Food	3
9.	Movement in animals	5
10.	Revision	3
Total		54

SOCIAL SCIENCE

S.No.	Topic Name	No. of Classes
1.	Tracing Changes Through A Thousand Years	1
2.	Environment	2
3.	Equality in Indian Democracy	4
4.	New Kings and Kingdoms	3
5.	Inside our Earth	2
6.	Delhi Sultans	3
7.	Our Changing Earth	3
8.	State Government and its Role in Health	3
9.	The Mughal Empire	4
10.	Rulers and Builders	4
11.	Air and Weather & Climate	2
12.	Gender and the role of women	4
13.	Map work	2
14.	Water	3
15.	Media and Advertisemenmt	3
16.	Towns, Traders and Craftpersons	3
17.	Natural vegetation and wild life	2
18.	Tribes ,nomads and settled communities	2
19.	Human enviornment and settlement	2
20.	Devotional path to divine	3
21.	The Human Enviornment Interaction	2
22.	The making of regional Culture	2
23.	Market around us	2
24.	Life in Temperate grassland	2
25.	Life in Deserts	1
26.	Eighteenth century Political Formation	3
Total		67

PHYSICS

S.No.	Topic Name	No. of Classes
1.	Units and Measurements	5
2.	Motion and Time	9
3.	Heat	7
4.	Sound	6
5.	Electrical Current and its Effect	6
6.	Light	9
7.	Winds, Storms and Cyclones	4
8.	Universe	9
Total		56

ENGLISH		
S.No.	Topic Name	No. of Classes
1.	Noun	3
2.	Pronoun	3
3.	Reading comprehension	1
4.	Adjective	3
5.	Adverb	2
6.	Essay writing and Notice writing	1
7.	Idioms, Article , Report and Speech writing	2
8.	Irregular Verbs	1
9.	Tense	4
10.	Conditionals	2
11.	Active Passive	3
12.	Direct and Indirect speech	3
13.	One word substitution	2
14.	Subject Verb Agreement	3
15.	Modals	2
16.	Determiners	3
17.	Phrasal verbs	2
18.	Conjunctions	2
19.	Preposition	4
20.	Story Writing	2
21.	The Sentence	2
22.	Question Tags	1
23.	Homophones	2
24.	Synonyms and antonyms	2
25.	Revision	3
26.	Total	57

MENTAL ABILITY		
S.No.	Topic Name	No. of Classes
1.	Playing Alphabets	2
2.	Trains	3
3.	Magical figure	1
4.	Operate the problems	2
5.	Words in problem	2
6.	At the destination	1
7.	Be regular	2
8.	Sit down	1
9.	Magic mystery	2
10.	Compare & out	2
11.	Count down	1
12.	The time is right	2
13.	Figure train & Figure out	2
14.	Throw it	1
15.	Get the image	2
16.	Mixture	4
17.	Revision	6
	Total	36

School Examination Preparatory (SEP) Sheet: Schedule

S.No.	Test Syllabus					
	Physics	Chemistry	Mathematics	Biology	English	Social Science
1	Units & Measurements		Integers		Noun, Message and Notice writing	
2	Motion and Time		fractions and decimals		Pronoun, Adverb	*Tracing Changes Through A thousand years + Equality In Indian Democracy + Inside our Earth*
3			rational number	Nutrition in Organisms	Reading comprehension,	Environment+New Kings and kingdoms + The Delhi Sultans
4		"GENERAL CHEMISTRY"	"lines and angles"	Weather, climate & adaptation	Irregular Verbs	
5	Heat		Triangles	Respiration	Adjective,, Idioms and Phrases,	State Government and its Role in Health + Rulers and Builders
6			"Congruency of Triangles"	Transportation	Article, Report and Speech writing	Our Changing Earth + The Mughal Empire + AIR
7	Sound	"Fibre to Fabric "	Exponents	Forest our life line	Tense, Active Passive,	
8		"Acids, Bases and Salts "	"Algebraic Expressions"	Soil	Letter Writing	Gender & the role of women+ WATER
9			Statistics		Conditionals,	Media and Advertisement
10	"Electrical Current & Its Effect"		Probability	Reproduction	Direct & Indirect speech	Town traders and craft persons
11			construction		One word substitution,	Natural vegetation and wild life
12	Light		"symmetry & visualizing solid shapes"		Modals, Phrasal verbs	Tribes, Nomads & settled communities
13			Mensuration	Food	Subject Verb Agreement,	Human environment and settlement
14		Physical & Chemical Changes	linear equation		Story Writing, Determiners	The Tropical and subtropical Region
15			"Ratio and Proportion"		Conjunctions, The Sentence	Devotional path to divine + The making of regional Culture
16			Percentage		Preposition, Question Tags	Market.
17	Wind, Storm & Cyclones		"Profit loss discount"	Movement in animals	Homophones,	Life in Temperate grassland + Eighteenth century Political Formation
18	Universe	"Water-A Precious Resource"	Simple Interest		Synonyms and antonyms	Life in the Desert

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
OCT1 (2 Hr) (Sc.M,SST, E, MAT)	Objective	Measurements (complete)	General Chemistry (up to Modern atomic theory)	Integers	Nutrition in organisms	Tracing Changes through A thousand years, Environment,	Noun, Reading Comprehension	Playing alphabets, Trains (number series)
SEP1 (3 Hr/1.5Hr) (Maths & SST)	Subjective (Offline) / Objective (Online)	NA	NA	Integers, Fractions & Decimals	NA	Tracing Changes through A thousand years, Environment, Equality in Indian Democracy	NA	NA
SEP2 (3 Hr/1.5Hr) (Sc. & Eng)	Subjective (Offline) / Objective (Online)	Measurements, Motion and Time (upto Graph)	General Chemistry (complete)	NA	Nutrition in organisms, Weather climate adaptation	NA	Reading Comprehension, Noun, Pronoun, Adjective, Essay writing, Notice writing	NA
OCT2 (2 Hr) (Sc.M,SST, E, MAT)	Objective	Motion & Time, Heat (till Units of Heat energy)	General Chemistry (from Atomic no.), Fibre to Fabric (till animal fibre-wood, wood bearing animals)	Integers, Fractions & Decimals, Rational numbers, Rational numbers, Lines and Angles, Triangles	Weather climate adaptation, Respiration	Tracing Changes through A thousand years, Environment, Equality in Indian Democracy, New Kings and Kingdoms, Inside our Earth, Delhi Sultans, Our Changing Earth, State Government and its Role in Health	Reading comprehension, Noun, Pronoun, Adjective, Idioms, Irregular verbs	Playing alphabets, Trains, magical figure, operate the problems, Words in problem
SEP3 (3 Hr/1.5Hr) (Maths & SST)	Subjective (Offline) / Objective (Online)	NA	NA	Rational Numbers, Lines and Angles, Triangles, Congruency of Triangles, Exponents,	NA	Equality in Indian Democracy, New Kings and Kingdoms, Inside our Earth, Delhi Sultans, Our Changing Earth, State Government and its Role in Health, The Mughal Empire	NA	NA
SEP4 (3 Hr/1.5Hr) (Sc. & Eng)	Subjective (Offline) / Objective (Online)	Measurement, Motion and time, Heat, Sound (upto Sound wave)	General Chemistry, Fibre to Fabric	NA	Respiration, Transportation	NA	Reading Comprehension, Report Writing, Speech writing, Adjective, Conditionals, Idioms (All),	NA

Half Yearly / Term-1 Dates: 7th to 20th Sep 2024

MT-1 Term-1 Subjective								
OCT3 (2 Hr) (Sc.M,SST, E, MAT)	Objective	Measurement, Motion and time, Heat, Sound, Electrical Current and Its Effect (upto Effects of current-Heating effect of current)	Fibre to fabric and Acids, Bases and Salts (till Some important Acids and their uses)	Integers, Fractions & Decimals, Rational numbers, Lines and Angles, Triangles, Congruency of Triangles, Exponents, Algebraic Expression, Data Handling, Probability	Transportation, Forest our life line, soil (upto soil classification)	The Mughal Empire, Rulers and Builders, Air & Weather and Climate, Water, Equality in Indian Democracy, State Government and its Role in Health, Gender and the role of women,	Reading Comprehension, Adjective, tense, subject and verb agreement, direct and indirect speech	Playing alphabets, Trains, magical figure, operate the problems, words in problems, at the destination, be regular, sit down, Magic mystery
SEP5 (3 Hr/1.5Hr) (Maths & SST)	Subjective (Offline) / Objective (Online)	NA	NA	Algebraic Expression, Data Handling, Probability, Construction, Symmetry and Visualising solid shapes	NA	Equality in Indian Democracy, State Government and its Role in Health, The Mughal Empire, Rulers and Builders, Gender and the role of women, Water, Media and Advertisement	NA	NA
SEP6 (3 Hr/1.5Hr) (Sc. & Eng)	Subjective (Offline) / Objective (Online)	Sound, Electrical Current and Its Effect, Light (Upto Refraction of light)	Acids, Bases and Salts	NA	Forest our life line, Soil, reproduction (upto sexual reproduction in flowering plant.)	NA	Reading Comprehension, One word substitution (all), Active passive voice, Direct and Indirect Speech, Letter, Application/Writing	NA
OCT4 (2 Hr) (Sc.M,SST, E, MAT)	Objective	Measurement, Motion and time, Heat, Sound, Electrical Current and Its Effect, Light, Winds, Storms and Cyclones (Upto Wind energy)	Acids, Bases and Salts, Physical and Chemical Change (till some common example of physical and chemical changes)	Integers, Fractions & Decimals, Rational numbers, Lines and Angles, Triangles, Congruency of Triangles, Exponents, Algebraic Expression, Data Handling, Probability, Construction, Symmetry and Visualising solid shapes, Mensuration, Linear equation, Ratio & Proportion, Percentage	Forest our life line, Soil, Reproduction in animals (upto locomotion in vertebrates)	Tribes, Nomads and settled communities, Human environment and settlement, Devotional path to divine, Eighteenth Century Political Formations, Natural vegetation and Wildlife	Reading comprehension, Preposition, Determiners, Modals, Phrasal Verbs (All)	Playing Alphabets, Trains, Magical figure, Operate the problems, words in problems, at the destination, be regular, sit down, magical figure, operate the problems, words in problems, at the destination, be regular, sit down, the time is right, figure team & figure out, Throw it
SEP7 (3 Hr/1.5Hr) (Maths & SST)	Subjective (Offline) / Objective (Online)	NA	NA	Mensuration, Linear Equation in one variable, Ratio & Proportion, Percentage, Profit, Loss & Discount, Simple Interest	NA	Natural Vegetation and Wildlife, Tribes, Nomads and settled communities, Human environment and settlement, The Human Environment Interaction- The Tropical and subtropical Region, Markets around us, Life in Temperate Grassland, Eighteenth century Political Formation	NA	NA
SEP8 (3 Hr/1.5Hr) (Sc. & Eng)	Subjective (Offline) / Objective (Online)	Sound, Electrical Current and Its Effect, Light, Winds, Storms And Cyclones, Universe	General Chemistry, Fibre to fabric, Acids, Bases and Salts, Physical and Chemical Change, Water & Waste Water (till water table depletion)	NA	Food and movement in animals	NA	Reading Comprehension, The sentence, determiners, Prepositions, Question tag, conjunction, Homophones, Story writing, Diary Entry	NA

Annual Exam / Term-2 Dates: From 20th Feb to 7th March-2025

MT-2 Term-2 Subjective								
Annual Exam / Term-2 Subjective								