

# COURSE PLANNER

For Students of

**CLASS-7<sup>th</sup>**

**REGULAR PROGRAM**



Medium: **English**

**Course Concept:** The Program prepare students for OLYMPIADS & 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: 429
- ♦ Duration of one lecture: 50 minutes
- ♦ Total Duration of Classroom Teaching: 357 hrs
- ♦ Total Duration of Testing: 60 hrs
- ♦ Total Academic Hours: 417.5 hrs

## HOLIDAYS / VACATIONS

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

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	3
	<b>Total</b>	<b>106</b>

## 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
	<b>Total</b>	<b>54</b>

## 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
	<b>Total</b>	<b>54</b>

## 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	5
11.	Air and Weather & Climate	2
12.	Gender and the role of women	4
13.	Map work	2
14.	Water	4
15.	Media and Advertisemenmt	4
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
	<b>Total</b>	<b>70</b>

## 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	5
	<b>Total</b>	<b>52</b>

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.	Application Writing and Diary entry	1
13.	Direct and Indirect speech	3
14.	One word substitution	2
15.	Subject Verb Agreement	3
16.	Modals	2
17.	Determiners	3
18.	Phrasal verbs	2
19.	Conjunctions	2
20.	Preposition	4
21.	Story Writing	1
22.	The Sentence	2
23.	Question Tags	1
24.	Homophones	2
25.	Synonyms and antonyms	2
26.	Revision	3
	<b>Total</b>	<b>57</b>

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
	<b>Total</b>	<b>36</b>

## 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 and Diary entry	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

Periodic Test (PT) Type & No.		P.T. Date	Test Type	Physics	Chemistry	Mathematics	Biology	Social Science	English	Mental Ability
OCT1 (2 Hr) (Sc.M, SST, E, MAT)		30.04.23	Objective	Units and Measurements ( complete)	General Chemistry (up to Modern atomic theory)	Integers	Nutrition in organisms (till amoeba)	Tracing Changes through A thousand years, Environment, Equality in Indian Democracy	Noun , Reading Comprehension	Playing alphabets, Trains (number series)
SEP1 (3 Hr/1.5 Hr) (Maths & SST)		14.05.23	Subjective (Offline) /Objective (Online)	NA	NA	Integers, Fractions & Decimals (till fractions)	NA	Equality in Indian Democracy, New Kings and Kingdoms	NA	NA
SEP2 (3 Hr/1.5 Hr) (Sc. & Eng)		25.06.23	Subjective (Offline) /Objective (Online)	Units and Measurements, Motion and Time ( till Types of acceleration )	General Chemistry (till atomic number, Mass number)	NA	Nutrition in organisms, Weather, climate and Adaptation, (upto Climate and adaptation)	NA	Reading Comprehension, Noun, Pronoun, Essay writing, Notice writing	NA
OCT2 (2 Hr) (Sc.M, SST, E, MAT)		09.07.23	Objective	Units and Measurement, Motion and Time ( Complete)	General Chemistry	Integers, Fractions & Decimals, Rational Numbers	Nutrition in organisms, Weather climate adaptation	Inside our Earth, Delhi Sultans, Our Changing Earth, State Government and its Role in Health	Reading Comprehension, Noun, Pronoun, Adjective	Playing alphabets, Trains, magical figure, operate the problems
SEP3 (3 Hr/1.5 Hr) (Maths & SST)		23.07.23	Subjective (Offline) /Objective (Online)	NA	NA	Fraction and Decimals, Rational Numbers, Lines and Angles	NA	The Mughal Empire, Rulers and Builders, Air Weather & Climate	NA	NA
SEP4 (3 Hr/1.5 Hr) (Sc. & Eng)		06.08.23	Subjective (Offline) /Objective (Online)	Motion & Time, Heat ( till Transfer of heat (Conduction) )	General Chemistry (from Atomic no.), Fibre to Fabric (upto life history of silk moth)	NA	Weather climate adaptation (Respiration (till human respiratory tract))	NA	Reading Comprehension, Report Writing, Speech writing, Adjective, Adverb, Idioms (All), Tense	NA
OCT3 (2 Hr) (Sc.M, SST, E, MAT)		27.08.23	Objective	Units and Measurement, Motion and time, Heat, Sound (upto sound needs a material medium for its propagation)	General Chemistry Fibre to Fabric	Integers , Fractions & Decimals , Rational numbers, Lines and Angles, Triangles, Congruency of Triangles	Nutrition in organisms (Weather climate adaptation, Respiration, Transportation (till blood clotting))	Tearing, Changes Through A Thousand Years, Environment, New Kings and Kingdoms, Inside our Earth, Delhi Sultanat, Our Changing Earth, State Government and its Role in Health, Mughal Empire, Rulers and its Role in Health, Gender and the role of women, Water Builders, Gender and the role of women, Water	Reading Comprehension, Adverb, Conditional, Active Passive Voice	Playing alphabets, Trains, magical figure, operate the problems, words in problems, at the destination, be regular, sit down

Periodic Test (PT) Type & No.		P.T. Date	Test Type	Physics	Chemistry	Mathematics	Biology	Social Science	English	Mental Ability
OCT4 (2 Hr) (Sc.M, SST, E, MAT)		15.10.23	Objective	Units and Measurement, Motion and time, Heat, Sound, Electrical Current and Its Effect ( till Difference between cell and battery)	Fibre to fabric and Acids Bases and Salts (till Some important bases and their uses)	Integers, Fractions & Decimals, Rational numbers, Lines and Angles, Triangles, Congruency of Triangles, Exponents, Algebraic Expression	Transportation , Forest our life line( Upto food web)	Equality in Indian Democracy, State Government and its Role in Health, The Mughal Empire, Rulers and Builders, Gender and the role of women, Water, Towns, Traders and crafts persons	Reading Comprehension, Direct and Indirect speech, One word substitution (All), Active Passive voice,	Playing alphabets, Trains, magical figure, operate the problems, words in problems, at the destination, be regular, sit down, magic mystery, compare & out
SEP5 (3 Hr/1.5 Hr) (Maths & SST)		05.11.23	Subjective (Offline) /Objective (Online)	NA	NA	Data Handling, Probability	NA	The Mughal Empire, Rulers and Builders, Gender and the role of women, Media and Advertisement, Towns, Traders and crafts persons	NA	NA
SEP6 (3 Hr/1.5 Hr) (Sc. & Eng)		26.11.23	Subjective (Offline) /Objective (Online)	Sound, Electrical Current and Its Effect	Acids, Bases and Salts	NA	Forest our life line , Soil (upto layers of soil)	NA	Reading Comprehension, One Letter, Application Writing , Subject verb agreement, Modals	NA
OCT5 (2 Hr) (Sc.M, SST, E, MAT)		17.12.23	Objective	Units and Measurement, Motion and time, Heat, Sound, Electrical Current and Its Effect, Light (Upto Image formed by Concave Mirror & Convex Mirror & its uses)	Acids, Bases and Salts, Physical and Chemical Change (till some common example of physical and chemical changes)	Integers , Fractions & Decimals , Congruency of Triangles, Exponents, Algebraic Expression, Data Handling, Probability, Construction, Symmetry and Visualising solid shapes	Forest our life line, soil, Reproduction (upto spore formation)	Tribes (Nomads and settled communities, Human environment and settlement, Devotional path to divine, The Human Environment Interaction- Tropical and subtropical Region	Reading Comprehension, Direct and Indirect speech, Subject Verb Agreement, Modals, Phrasal Verbs(All)	Playing Alphabets, Trains, Magical figure, operate the problems, words in problems, at the destination, be regular, sit down, magic mystery, compare & out, count down, the time is right, figure train & figure out
SEP7 (3 Hr/1.5 Hr) (Maths & SST)		07.01.24	Subjective (Offline) /Objective (Online)	NA	NA	Construction, Symmetry and Visualising solid shapes , Mensuration, Linear equation	NA	Human Environment Interaction, Devotional path to Divine, Human Environment Interaction	NA	NA
SEP8 (3 Hr/1.5 Hr) (Sc. & Eng)		28.01.24	Subjective (Offline) /Objective (Online)	Units and Measurement, Motion and time, Heat, Sound, Electrical Current and Its Effect, Light, Winds, Storms And Cyclones	Physical and Chemical Changes, Water & Waste Water (upto Anomalous expansion of water, Forms of water, water cycle)	NA	Reproduction, Food (till vitamins and minerals)	Human Environment Interaction, Devotional path to Divine, Human Environment Interaction	Reading Comprehension, Conjunction, Preposition, Determiners, Modals, Reading Comprehension, Indirect speech, Subject Verb Agreement, Modals, Phrasal Verbs(All), Conjunction	NA
OCT6 (2 Hr) (Sc.M, SST, E, MAT)		04.02.24	Objective	Units and Measurement, Motion and time, Heat, Sound, Electrical Current and Its Effect, Light, Winds, Storms And Cyclones Universe (Upto Planets)	General Chemistry, Fibre to fabric, Acids, Bases and Salts, Physical and Chemical Change, Water & Waste Water (till water table depletion)	Integers, Fractions & Decimals, Rational numbers, Lines and Angles, Triangles, Congruency of Triangles, Exponents, Algebraic Expressions, Date Handling, Probability, Construction, Symmetry and visualizing solid shapes, Mensuration, Linear equation, Ratio & Proportion, Percentage,	Nutrition in organisms, Weather climate adaptation, Respiration, Transportation, Forest our life line, soil, reproduction, food, movement in animals (till modes of locomotion)	Towns, Traders and Craft persons, Natural Vegetation and Wildlife, Tribes, Nomads and settled communities, The Human environment and settlement, The Human Environment Interaction- The Tropical and subtropical Region, The Making of Regional Culture, Markets around us, Life in Temperate Grassland , Life in Deserts, Eighteenth century Political Formation	Reading Comprehension, Phrasal Verbs, Determiners, Prepositions, Question tag, conjunction	Playing alphabets, Trains, magical figure, operate the problems, words in problems, at the destination, be regular, sit down, magic mystery, compare & out, count down, the time is right, figure train & figure out, throw it, get the image, mixture

## Major Test Term-1 Dates: 4th to 16th Sep 2023

## Major Test Term-2 Dates: 20th Feb to 07th March-2024

Date of Reshuffling of Batches: 19.06.2023 | 25.09.2023

## MT-1 Term-1 Subjective

## MT-2 Term-2 Subjective