

COURSE PLANNER

For Students of
CLASS-X

REGULAR PROGRAM | Academic Session: 2017-2018



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: 03.04.2017 | Course Ends: 18.02.2018

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 2017-18. 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: 424
- ♦ Duration of one lecture: 55 minutes
- ♦ Total Duration of Classroom Teaching: 388 hrs
- ♦ Total Duration of Testing: 51 hrs
- ♦ Total Academic Hours: 439 hrs

HOLIDAYS / VACATIONS

1. Resonance Foundation Day: 11th April 2017 | 2. Summer Break: 12th to 24th June 2017 | 3. Raksha Bandhan: 7th August, 2017 | 4. Special Holiday: 14th August, 2017 | 5. Independence Day: 15th August, 2017 | 6. Anant Chaturdashi: 5th September, 2017 | 7. Term Break: 11th to 29th September, 2017 | 8. Dussehra: 30th September, 2017 | 9. Deepawali Holidays: 15th to 22nd October, 2017 | 10. Winter Break: 25th to 30th December, 2017 | 11. Makar Sankranti: 14th January 2018 | 12. Republic Day: 26th January, 2018: (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: 20th May, 2017 | 12th August, 2017 | 2nd December, 2017 | 27th January, 2018

CALL: 0744-2434727, 08824078330 | SMS: RESO PCCP at 56677

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SUBJECT WISE SYLLABUS PLAN

MATHEMATICS

S.No.	Topic Name	No. of Classes	Topic Start Date
1.	Real Numbers	7	03-Apr-17
2.	Polynomials	6	21-Apr-17
3.	Pair of Linear Equations in two variables	6	08-May-17
4.	Introduction to Trigonometry	7	24-May-17
5.	Triangles	12	28-Jun-17
6.	Statistics	10	31-Jul-17
7.	Quadratic Equations	6	02-Oct-17
8.	Arithmetic Progressions	5	25-Oct-17
9.	Coordinate Geometry	6	08-Nov-17
10.	Some Applications of Trigonometry	3	22-Nov-17
11.	Circles	3	29-Nov-17
12.	Area Related to Circles	4	06-Dec-17
13.	Surface Area and Volume	9	15-Dec-17
14.	Probability	4	12-Jan-18
15.	Constructions	6	22-Jan-18
Total		94	

CHEMISTRY

S.No.	Topic Name	No. of Classes	Topic Start Date
1.	Chemical reactions and equations	8	03-Apr-17
2.	Acids, Bases and Salts	12	08-May-17
3.	Metals & Nonmetals	12	10-Jul-17
4.	Carbon and Its compounds	20	02-Oct-17
5.	Periodic table	9	01-Jan-18
Total		61	

WEEKLY LECTURE PLANNER (PER SUBJECT)

Week No.	Week Duration		No. of Lecture								Total No. of Lecture
	From	To	Physic	Chemistry	Mathematics	Biology	Social Science	English	Mental Ability		
W1	3-4-17	8-4-17	2	2	3	1	2	1	1	12	
W2	10-4-17	15-4-17	2	1	2	2	2	2	1	12	
W3	17-4-17	22-4-17	1	2	3	2	2	1	1	12	
W4	24-4-17	29-4-17	2	2	2	1	2	2	1	12	
W5	1-5-17	6-5-17	2	1	3	2	2	1	1	12	
W6	8-5-17	13-5-17	1	2	2	2	2	2	1	12	
W7	15-5-17	20-5-17	2	2	3	1	2	1	1	12	
W8	22-5-17	27-5-17	2	1	2	2	2	2	1	12	
W9	29-5-17	3-6-17	1	2	3	2	2	1	1	12	
W10	5-6-17	10-6-17	2	2	2	1	2	2	1	12	
W11	12-6-17	17-6-17	Summer Break								
W12	19-6-17	24-6-17	Summer Break								
W13	26-6-17	1-7-17	2	1	3	2	2	1	1	12	
W14	3-7-17	8-7-17	1	2	2	2	2	2	1	12	
W15	10-7-17	15-7-17	2	2	3	1	2	1	1	12	
W16	17-7-17	22-7-17	2	1	2	2	2	2	1	12	
W17	24-7-17	29-7-17	1	2	3	2	2	1	1	12	
W18	31-7-17	5-8-17	2	2	2	1	2	2	1	12	
W19	7-8-17	12-8-17	1	1	2	1	1	1	1	8	
W20	14-8-17	19-8-17	1	1	2	1	1	1	1	8	
W21	21-8-17	26-8-17	1	2	2	2	2	2	1	12	
W22	28-8-17	2-9-17									
W23	4-9-17	9-9-17	1	1	2	1	1	1	1	8	
W24	11-9-17	16-9-17	Term Break								
W25	18-9-17	23-9-17	Term Break								
W26	25-9-17	30-9-17	Term Break								
W27	2-10-17	7-10-17	2	2	3	1	2	1	1	12	
W28	9-10-17	14-10-17	2	1	2	2	2	2	1	12	
W29	16-10-17	21-10-17									
W30	23-10-17	28-10-17	1	2	3	2	2	1	1	12	
W31	30-10-17	4-11-17	2	2	2	1	2	2	1	12	
W32	6-11-17	11-11-17	2	2	3	2	2	2	1	12	
W33	13-11-17	18-11-17	1	2	3	2	2	2	2	12	
W34	20-11-17	25-11-17	2	2	3	2	2	2	1	12	
W35	27-11-17	2-12-17	2	1	3	2	2	2	2	12	
W36	4-12-17	9-12-17	2	2	3	2	2	2	1	12	
W37	11-12-17	16-12-17	2	2	3	1	2	2	2	12	
W38	18-12-17	23-12-17	2	2	3	2	2	2	1	12	
W39	25-12-17	30-12-17	Winter Vacation								
W40	1-1-18	6-1-18	1	2	3	2	2	2		12	
W41	8-1-18	13-1-18	2	2	3	2	2	1		12	
W42	15-1-18	20-1-18	2	1	3	2	2	2		12	
W43	22-1-18	27-1-18	1	1	2	1	2	1		8	
W44	29-1-18	3-2-18	1	1	2	1	1	2		8	
W45	5-2-18	10-2-18									
W46	12-2-18	17-2-18	2	2	2	2	2	2		12	

ENGLISH

S.No.	Topic Name	No. of Classes	Topic Start Date
1	Tense	2	03-Apr-17
2	conditionals	1	12-Apr-17
3	The frog and the nightingale	2	17-Apr-17
4	Two gentlemen of verona	2	24-Apr-17
5	SVA	2	08-May-17
6	Mrs. Packletide's tiger	2	15-May-17
7	The Mirror	1	24-May-17
8	Reported speech	2	29-May-17
9	Determiners	1	07-Jun-17
10	Modals	1	26-Jun-17
11	Not marble nor the gilded monuments	1	03-Jul-17
12	The letter	3	05-Jul-17
13	The dear departed	4	19-Jul-17
14	Letter /story/article writing	1	07-Aug-17
15	Novel	2	14-Aug-17
16	Dialogue completion + Editing + Omission + Newspaper Headlines	2	21-Aug-17
17	Active passive voice	2	02-Oct-17
18	Prepositions	2	11-Oct-17
19	Connectors	2	30-Oct-17
20	ozymandias	1	06-Nov-17
21	Shady plot	3	13-Nov-17
22	Rime of the ancient mariner	3	27-Nov-17
23	Patol babu	3	11-Dec-17
24	Virtually true	2	01-Jan-18
25	Snake	1	08-Jan-18
26	Julius Caesar	4	15-Jan-18
27	Novel	2	31-Jan-18
28	Dialogue completion + Editing + Omission + Newspaper Headlines	1	14-Feb-18
Total		55	

BIOLOGY

S.No.	Topic Name	No. of Classes	Topic Start Date
1.	Nutrition	8	03-Apr-17
2.	Respiration	5	08-May-17
3.	Transportation	5	29-May-17
4.	Excretion	4	03-Jul-17
5.	Control and co-ordination	9	19-Jul-17
6.	Reproduction	10	02-Oct-17
7.	Heredity and Evolution	11	20-Nov-17
8.	Our environment	3	08-Jan-18
9.	Natural Resources & Its Management	5	17-Jan-18
Total		60	

Academic Planning & Test Grid

Periodic Test Type & No.	P.T. Date	Test Type	NTSE Pattern Part Test (NPT), NTSE Pattern Cumulative Test (NCT), School Exam Preparatory Pattern Test (SEP) Syllabus and Result Communication						Testing Hours	Penalitive Result	Final Result	
			Physics	Chemistry	Mathematics	Biology	Social Science	English				Mental Ability
NPT-1	23.04.17	Objective	Electricity (till applications of static electricity)	Chemical reactions and equations (till Balancing of equations)	Real Numbers	Nutrition (till Photosynthesis (light reaction))	Power, Sharing, Resources and development	Comprehension + English	Alphabet Test, Coding-Decoding (Letter - Letter, Letter Number Coding)	3	27.04.17	01.05.17
NCT-1	14.05.17	Objective	Electricity (till Heating Effect of Current.)	Chemical reactions and equations	Real Numbers, Polynomials	Nutrition	The Age of Industrialisation, Development and Federalism	Comprehension + The frog and the nightingale + tense + conditionals	Alphabet Test, Coding-Decoding, Number Series, Alphabet Series	3	18.05.17	22.05.17
SEP-1	04.06.17	Subjective (Main & SST)	NA	NA	Real numbers, Polynomials, Pair of Linear Equations in two variables	NA	Sectors of Indian economy, The making of a Global World.	NA	NA	3	17.06.17	20.06.17
SEP-1	09.07.17	Subjective (Sc. & Eng)	Electricity, Magnetism (till Magnetic effect of an electric current)	Chemical reactions and equations, Acids, Bases and Salts (till Salts and classifications of salts)	NA	Nutrition, Respiration, Transportation	NA	The frog and the nightingale + Two gentlemen of Verona + Mrs. Pickett's tiger + Mirror	NA	3	22.07.17	25.07.17
NPT-2	30.07.17	Objective	Magnetism Source of Energy (till ocean thermal energy)	Acids, Bases and Salts, Metals & Nonmetals (till Chemical Properties of Nonmetals)	Pair of Linear Equations in two variables, Trigonometry	Transportation, Excretion	Water, Democracy and Diversity and Print Culture	Determiners + Comprehension	Letter Repeating Series, Missing Term in Figure, Mathematical Series, Direction Sense Test, Spatial Ability, Reasoning and Ordering, Blood Relation	3	03.08.17	07.08.17
NCT-2	20.08.17	Objective	Sources of energy, Nuclear Physics (till Binding energy & Binding energy curve,)	Acids, Bases and Salts, Metals & Nonmetals (till Concentration of ore - Froth Flotation, Magnetic Separation)	Pair of Linear Equations in two variables, Trigonometry, Triangles	Respiration, Excretion, Control and coordination (till Adrenal Gland)	Agriculture and Gender, religion and caste	Reported speech + modal + comprehension	Direction Sense Test, Sitting Arrangement, Blood Relation, Puzzle Test, Venn Diagram, Syllogism, Analogy And Classification	3	24.08.17	28.08.17
MT Major Test Dates: 28th August to 4th September 2017												
NCT-3	29.10.17	Objective	Light (till Lateral Inversion)	Metals & Nonmetals (from Extraction of metal from Concentrated ore- Calcination), Carbon and Its Compounds (till Carbon-Introduction of organic Chemistry, Vital Force Theory, Wohlers Synthesis)	Quadratic Equations	Control and co-ordination (Nervous System), Reproduction (till Sexual reproduction in plants)	The Rise of Nationalism in Europe, Minerals & Energy Resources	Active passive voice + comprehension	Previous + Pyramid Test, Calendar Test, Dice Test, Cube Test	3	02.11.17	06.11.17
SEP-2	10.12.17	Subjective (Main & SST)	NA	NA	Arithmetic Progressions, coordinate Geometry, Applications of trigonometry	NA	Popular Struggles and movements, Globalisation and Nationalism in India	NA	NA	3	23.12.17	26.12.17
SEP-2	07.01.18	Subjective (Sc. & Eng)	Light (till Human Eye)	Carbon and its compounds	NA	Reproduction, Heredity and evolution (till Neo-darwinism, Genetic variation)	NA	Ozymandias + The rime of the ancient mariner + Shady plot	NA	3	20.01.18	23.01.18

MT Subjective **Major Test Dates: 2nd to 9th February 2018** **12** 17.02.18 21.02.18

Date of Reshuffling of Batches: **22.05.2017** | **02.10.2017** **Total Testing Hours 51**