

COURSE PLANNER

For Students of

CLASS-IX

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: 24.04.2017 | 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:** 43 Weeks
- ♦ **Total Number of Lectures:** 432
- ♦ **Duration of one lecture:** 55 minutes
- ♦ **Total Duration of Classroom Teaching:** 388 hrs
- ♦ **Total Duration of Testing:** 55 hrs
- ♦ **Total Academic Hours:** 443 hrs

HOLIDAYS / VACATIONS

1. Summer Break: 12th to 24th June 2017 | **2. Raksha Bandhan:** 7th August, 2017 | **3. Special Holiday:** 14th August, 2017 | **4. Independence Day:** 15th August, 2017 | **5. Anant Chaturdashi:** 5th September, 2017 | **6. Term Break:** 11th to 29th September, 2017 | **7. Dussehra:** 30th September, 2017 | **8. Deepawali Holidays:** 15th to 22nd October, 2017 | **9. Winter Break:** 25th to 30th December, 2017 | **10. Makar Sankranti:** 14th January 2018 | **11. 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.	Number Systems	12	24-Apr-17
2.	Polynomials	14	09-May-17
3.	coordinate geometry	3	29-Jun-17
4.	Introduction to euclid geometry	4	06-Jul-17
5.	Lines and angles	4	18-Jul-17
6.	Triangles	7	01-Aug-17
7.	Heron's formula	6	17-8-17
8.	Linear Equation in two variables	5	03-Oct-17
9.	Quadrilaterals	8	24-Oct-17
10.	Area of parallelograms and triangles	7	16-Nov-17
11.	Circles	6	02-Dec-17
12.	Constructions	2	21-Dec-17
13.	Surface area and volume	4	04-Jan-18
14.	Statistics	6	16-Jan-18
15.	Probability	4	03-Feb-18
Total		92	

CHEMISTRY

S.No.	Topic Name	No. of Classes	Topic Start Date
1.	Matter in our Surroundings	13	24-Apr-17
2.	Is Matter around us Pure	18	30-May-17
3.	Atoms and Molecules	19	03-Oct-17
4.	Structure of Atom	10	02-Jan-18
5.	Total	60	

WEEKLY LECTURE PLANNER (PER SUBJECT)

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

ENGLISH

S.No.	Topic Name	No. of Classes	Topic Start Date
1.	Tense	2	24-Apr-17
2.	conditionals	1	01-May-17
3.	Brook	3	03-May-17
4.	How I Taught my Grandmother to Read	1	08-May-17
5.	SVA	2	09-May-17
6.	Reported speech	2	18-May-17
7.	The road not taken	1	30-May-17
8.	Modals	2	01-Jun-17
9.	The dog named duke	2	27-Jun-17
10.	pronoun,adjective,(error spotting)	1	06-Jul-17
11.	Determiners	1	11-Jul-17
12.	The solitary reaper	1	18-Jul-17
13.	Lord Ullin's daughter+story writing, article, letter	2	25-Jul-17
14.	Villa for sale	3	01-Aug-17
15.	Novel	2	22-Aug-17
16.	Dialogue completion + editing + omission + newspaper headline	1	07-Sep-17
17.	The Seven ages	1	03-Oct-17
18.	The man who knew too much	2	10-Oct-17
19.	Active passive voice	2	24-Oct-17
20.	Prepositions	3	31-Oct-17
21.	oh ! I wish I'd looked after me teeth	1	14-Nov-17
22.	Keeping it from Harold	3	21-Nov-17
23.	Connectors	2	05-Dec-17
24.	Song of the rain	1	12-Dec-17
25.	Best seller	3	19-Dec-17
26.	Bishop's candlesticks	5	09-Jan-18
27.	Novel	1	30-Jan-18
28.	Dialogue completion + editing + omission + newspaper headline	2	13-Feb-18
Total		53	

PHYSICS

S.No.	Topic Name	No. of Classes	Topic Start Date
1.	Motion	10	24-Apr-17
2.	Force and Laws of Motion	10	16-May-17
3.	Gravitation	10	11-Jul-17
4.	FLUID	6	24-Aug-17
5.	Work Energy Power	12	24-Oct-17
6.	SOUND	12	19-Dec-17
Total		60	

BIOLOGY

S.No.	Topic Name	No. of Classes	Topic Start Date
1.	CELL	10	24-Apr-17
2.	Tissue	12	18-May-17
3.	Improvement in food resources	9	25-Jul-17
4.	Diversity in living organism	15	03-Oct-17
5.	Why do we fall ill?	5	12-Dec-17
6.	Natural resources & its management	9	09-Jan-18
Total		60	

Academic Planning & Test Grid

Periodic Test Type & No.	P.T. Date	Test Type	Olympiad Pattern Part Test (OPT), NTSE Pattern Cumulative Test (NCT), School Exam Preparatory Pattern Test (SEP), Open Test (OT) Syllabus and Result Communication				Testing Hours	Tentative Result	Final Result			
			Physics	Chemistry	Mathematics	Biology				Social Science	English	Mental Ability
NCT-1	21.05.17	Objective	Motion	Matter in Our Surrounding	Number Systems, Surds and Exponents	cell	The Story of Village Palampur, The French Revolution	Tense + conditionals +b rook + comprehension	Logical Alphabet Number, Coding-Decoding, Series Completion(Number Series, Alphabet Series)	3	25.05.17	29.05.17
SEP-1	11.06.17	Subjective (Sc. & Eng)	Motion, force and laws of motion (till Newtons second law of Motion, Momentum)	Matter in Our Surrounding	NA	CELL, Tissue (till Meristematic Tissue)	NA	Brook + How I Taught my Grandmother to read+The road not taken	NA	3	24.06.17	27.06.17
SEP-1	16.07.17	Subjective (Hans & SST)	NA	NA	Number Systems, polynomials and coordinate geometry	NA	What is Democracy ? Why Democracy?, People as Resource	NA	NA	3	29.07.17	01.08.17
OPT-2	06.08.17	Objective	Force and Laws of Motion (from Newtons Third Law of Motion), Gravitation (till Variation of g)	Pure Substance, Mixture, solutions, concentration of Solution, Separation techniques	euclid geometry , lines and angles, Triangle(SAS criteria of triangle and problem based on it)	tissue	Constitutional Design, Drainage	Comprehension + Reported Speech	Series Completion (Letter Repeating, Missing Term in Figure) Mathematical Operations, Direction Sense Test, Sitting Arrangement	2	10.08.17	14.08.17
NCT-2	27.08.17	Objective	Force and laws of Motion, Gravitation	matter in our surrounding, Is matter around us pure	Lines and angles, Triangles, Heron's formula(till Application Of heron's formula and problems based on it)	Tissue, Improvement in Food Resources	Drainage, Nazism and The Rise of Hitler	Modals + Comprehension + Determiners	Series Completion, Puzzle Test, Logical Venn Diagram	3	31.08.17	04.09.17
MT Major Test Dates: 19th August to 7th September 2017												
Subjective												
OPT-3	08.10.17	Objective	Fluid (till Atmospheric Pressure)	Is matter around us pure	Triangles, Heron's Formula	Improvement in Food Resources, Diversity in Living Organism (Introduction of Diversity)	Poverty as a Challenge , Electoral Politics	Comprehension + Modals	Logical Venn Diagram, Syllogism	2	12.10.17	16.10.17
NCT-3	05.11.17	Objective	Gravitation , Fluid	Is matter around us pure, atoms & molecules (Upto atomic mass & molecular mass)	Linear Equation in two variables, Quadrilateral (up to Types of quadrilateral Angle sum property of quadrilateral)	Diversity in living organisms (till angiosperms)	Electoral Politics, Climate	Comprehension + Active passive voice	Direction Sense Test, Sitting Arrangement, Syllogism, Day, Date and Time Sequence	3	09.11.17	13.11.17
SEP-2	26.11.17	Subjective (Sc. & Eng)	Fluid, Work Energy Power (till Dissipation of Energy)	Atoms & molecules	NA	Diversity in Living Organism (till Non Chordates, Hemichordates)	NA	Seven Ages + oh I I wish I'd looked after me teeth + The Man who knew too much	NA	3	09.12.17	12.12.17
SEP-2	17.12.17	Subjective (Hans & SST)	NA	NA	Linear Equation in two variables, quadrilaterals and area of parallelogram and triangles	NA	Forest Society and Colonialism, Natural Vegetation and Wildlife, Working of Institutions	NA	NA	3	30.12.17	02.01.18
OPT-4	21.01.18	Objective	Work Energy Power (from Work -Energy Theorem), Sound (till Characteristics of Waves, Sound)	Atoms & Molecules, Structure of Atom (Introduction, Thomson & Rutherford Atomic Models)	Circles and Surface Area and Volume	Diversity in Living Organism (Chordates), Why do we fall ill?	Food Security in India, Democratic Rights	Connectors + Prepositions + Comprehension	Dice Test, Cube Test, Non Verbal Series, Non Verbal Analogy and Classification	2	25.01.18	29.01.18
Subjective												
MT Major Test Dates: 4th February to 10th February 2018												
Subjective												
OT-1	11.02.18	Objective	Full syllabus	Full syllabus	Full syllabus	Full syllabus	NA	NA	NA	2	15.02.18	19.02.18
OT-2	18.02.18	Objective	Full syllabus	Full syllabus	Full syllabus	Full syllabus	NA	NA	NA	2	22.02.18	26.02.18