

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: 04.04.2017 | 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: 432
- ♦ Duration of one lecture: 55 minutes
- ♦ Total Duration of Classroom Teaching: 388 hrs
- ♦ Total Duration of Testing: 57 hrs
- ♦ Total Academic Hours: 445 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.	Number Systems	12	04-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	04-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	Physcis	Chemistry	Mathematics	Biology	Social Science	English	Mental Ability		
W1	3-4-17	8-4-17	2	2	3	1	2	1	1	1	12
W2	10-4-17	15-4-17	1	1	2	1	1	1	1	1	8
W3	17-4-17	22-4-17	2	1	2	2	2	2	2	1	12
W4	24-4-17	29-4-17	1	2	3	2	2	2	1	1	12
W5	1-5-17	6-5-17	2	2	2	1	2	2	2	1	12
W6	8-5-17	13-5-17	2	1	3	2	2	2	1	1	12
W7	15-5-17	20-5-17	1	2	2	2	2	2	2	1	12
W8	22-5-17	27-5-17	2	2	3	1	2	1	1	1	12
W9	29-5-17	3-6-17	2	1	2	2	2	2	2	1	12
W10	5-6-17	10-6-17	1	2	3	2	2	2	1	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	2	3	1	2	1	1	1	12
W14	3-7-17	8-7-17	2	1	2	2	2	2	2	1	12
W15	10-7-17	15-7-17	1	2	3	2	2	2	1	1	12
W16	17-7-17	22-7-17	2	2	3	1	2	1	1	1	12
W17	24-7-17	29-7-17	2	1	2	2	2	2	2	1	12
W18	31-7-17	5-8-17	1	2	3	2	2	2	1	1	12
W19	7-8-17	12-8-17	2	2	3	1	2	1	1	1	12
W20	14-8-17	19-8-17	1	1	2	1	1	1	1	1	8
W21	21-8-17	26-8-17	2	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	1	8
W24	11-9-17	16-9-17									
W25	18-9-17	23-9-17	SA-1 Preparation								
W26	25-9-17	30-9-17	SA-1 Preparation								
W27	2-10-17	7-10-17	2	2	3	1	2	1	1	1	12
W28	9-10-17	14-10-17	2	1	2	2	2	2	2	1	12
W29	16-10-17	21-10-17									
W30	23-10-17	28-10-17	1	2	2	2	2	2	2	1	12
W31	30-10-17	4-11-17	1	2	3	2	2	2	2	1	12
W32	6-11-17	11-11-17	2	2	2	1	2	2	2	1	12
W33	13-11-17	18-11-17	2	1	3	2	2	2	1	1	12
W34	20-11-17	25-11-17	1	2	2	2	2	2	2	1	12
W35	27-11-17	2-12-17	2	2	3	1	2	1	1	1	12
W36	4-12-17	9-12-17	2	1	2	2	2	2	2	1	12
W37	11-12-17	16-12-17	1	2	3	2	2	2	2	1	12
W38	18-12-17	23-12-17	2	2	2	1	2	2	2	1	12
W39	25-12-17	30-12-17	Winter Vacation								
W40	1-1-18	6-1-18	2	1	3	2	2	1	1	1	12
W41	8-1-18	13-1-18	1	2	2	2	2	2	2	1	12
W42	15-1-18	20-1-18	2	2	3	1	2	1	1	1	12
W43	22-1-18	27-1-18	2	1	2	2	2	2	2	1	12
W44	29-1-18	3-2-18	1	2	3	2	2	2	1	1	12
W45	5-2-18	10-2-18									
W46	12-2-18	17-2-18	2	2	2	2	2	2	2	1	12

ENGLISH

S.No.	Topic Name	No. of Classes	Topic Start Date
1.	Tense	2	04-Apr-17
2.	conditionals	1	18-Apr-17
3.	Brook	3	20-Apr-17
4.	Dpp Discussion + How I taught my grandmother to read	1	04-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	04-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	04-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

Periods Test Type & No.	P.T. Date	Test Type	Physics	Chemistry	Mathematics	Biology	Social Science	English	Mental Ability	Testing Hours	Final Result
Olympiad Pattern Part Test (OPT), NTSE Pattern Cumulative Test (NCT), School Exam Preparatory Pattern Test (SEP), Open Test (OT) Syllabus and Result Communication											
OPT-1	30.04.17	Objective	Motion (upto speed and velocity)	States of Matter, Interconversion of States	number systems (upto irrational no. on number line)	Cell-Single Membranous Cell organelles (till ER)	India – Size and Location, Democracy in the Contemporary World	Tense + comprehension	Logical Alphabet Number, Coding-Decoding (Letter Letter Coding)	2	04.05.17 08.05.17
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 root + 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 (Hindi & 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, String 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

Major Test Dates: 19 th August to 7 th September 2017											
IMT											
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 organism (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 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 (Hindi & 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

Major Test Dates: 4 th February to 10 th February 2018											
IMT											
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