

Academic Planning & Test Grid

Periodic Test Type and No.	Periodic Test Date	Test Type	Physics	Chemistry	Mathematics	Biology	Social Science	English	Mental Ability
NPT-1 (4 Hr)	25.04.2021	Objective	Basic Mathematics (Trigonometry), Motion (upto Motion in 1, 2 and 3D)	Matter in our Surrounding (up to Classification of matter)	Class IX: Number System (except Surds and Exponents)	Cell (up to structure of cell & types of cell)	India - Size and Location, The Story of Village Palampur	NA	Logical alphabet number coding-decoding (letter-letter coding letter-letter-number coding)
NCT-1 (4 Hr)	09.05.2021	Objective	Basic Mathematics, Motion (up to instantaneous speed)	Matter in our Surrounding (up to interconversion of states of matter)	Class IX: Number System, Coordinate Geometry, Euclidean Geometry	Cell (upto cytoplasm)	India - Size and Location, The Story of Village Palampur, The French Revolution, Physical Features of India (upto The Himalayan Mountains)	NA	Logical alphabet number coding-decoding number series
SEP-1 (3 Hr)	27.06.2021	Subjective (Sc. & Eng)	Basic Mathematics, Motion	Matter in our Surrounding	NA	Cell, Tissue (up to meristematic tissue)	India - Size and Location, The Story of Village Palampur, The French Revolution, Physical Features of India (upto The Himalayan Mountains)	Topics, Conditional Determiners, Subject Verb Agreement, The last child, The Sound of Music, Reported Speech, Writing Section (Story writing & diary Writing)	NA
SEP-2 (3 Hr)	18.07.2021	Subjective (Maths & SST)	NA	Matter in our Surrounding	Class IX: Number System, Coordinate Geometry, Linear Equation in two Variables, Polynomials, Euclidean Geometry	NA	India - Size and Location, The Story of Village Palampur, The French Revolution, Physical Features of India (upto The Himalayan Mountains)	NA	NA
NPT-2 (4 Hr)	01.08.2021	Objective	Motion, Circular Motion, Force and Laws of Motion	Matter in our Surrounding (from interconversion of states of matter, upto last), Matter in our Surrounding (up to separation techniques: Separation of mixture of two solids)	Class IX: Number System, Coordinate Geometry, Linear Equation in two Variables, Polynomials, Introduction to Euclid Geometry, Lines and Angles, Congruent Triangle	Tissue (upto connective tissue proper)	India - Size and Location, The Story of Village Palampur, The French Revolution, Physical Features of India (upto The Himalayan Mountains)	NA	Coding-decoding (puzzle based coding, substitution coding, column coding), Missing term in figure, Mathematical operation, Direction sense.
NCT-2 (4 Hr)	20.08.2021	Objective	Basic Mathematics, Motion, Circular Motion, Force and Laws of Motion, Gravitation (upto Variation in the value of g)	Matter in our Surrounding (up to separation techniques: Separation of gases from air)	Class IX: Number System, Coordinate Geometry, Linear Equation in two Variables, Polynomials, Introduction to Euclid Geometry, Lines and Angles, Congruent Triangle	Cell, Tissue, Improvement in food Resources (upto Crop protection & Management)	India - Size and Location, The Story of Village Palampur, The French Revolution, Physical Features of India (upto The Himalayan Mountains)	NA	Logical alphabet number coding-decoding, number series, Series of letters, Missing term in figure, Mathematical operation, Direction sense, Seating arrangement, Blood relation, Puzzle test, Venn diagram, Syllogism, Day, date and time sequence
SEP-3 (3 Hr)	28.12.2021	Subjective (Sc. & Eng)	Circular Motion, Force and Laws of Motion, Gravitation (upto Work, Energy and Power (non-conservative force))	Is matter around us Pure, Structure of Atom	NA	Improvement in food Resources, Bio diversity (upto Nematoda)	India - Size and Location, The Story of Village Palampur, The French Revolution, Physical Features of India (upto The Himalayan Mountains)	Reported Speech, Wind, Swapan, the story teller, Modals, A truly beautiful mind, The little girl, The lake side of Inisra, The snake and the mirror, The happy prince, Writing section (Story writing & diary writing), Passively active & passive voice, Preposition	NA
SEP-4 (3 Hr)	12.12.2021	Subjective (Maths & SST)	NA	Is matter around us pure, Structure of Atom	Class IX: Lines and angles, Circles, Congruent triangle, Quadrilateral	NA	Climate, Forest society and Colonialism, Pastoralists in the farm world, Natural Vegetation and Wildlife, Working of Institutions	NA	Blood relation, Puzzle test, Venn diagram, Syllogism
NCT-4 (4 Hr)	09.01.2022	Objective	Basic Mathematics, Motion, Circular Motion, Gravitation, Work, Energy and Power	Matter in our surrounding, Is matter around us Pure, Structure of Atom molecule (upto laws of chemical combination)	Class IX: Number System, Coordinate Geometry, Linear Equation in two variables, Polynomials, Introduction to Euclid geometry, Lines and Angles, Congruent triangles	Cell, Tissue, Improvement in food Resources	India - Size and Location, The Story of Village Palampur, The French Revolution, Physical Features of India (upto The Himalayan Mountains)	NA	Logical alphabet number coding-decoding, number series, Series of letters, Missing term in figure, Mathematical operation, Direction sense, Seating arrangement, Blood relation, Puzzle test, Venn diagram, Syllogism
OT-1 (4 Hr)	23.01.2022	Objective	Fluid, Work, Energy and Power, Wave Motion and Sound (in different medium)	Structure of atom, Atoms & Molecules	Class IX: Quadrilateral, Circles, Herons Formula, Area of parallelogram and Triangle, Surface area and volume, Statistics, Probability	Biodiversity, Why do we fall ill, Natural Resources	Climate - Forest Society and Colonialism, Natural Vegetation and Wildlife, Pastoralists in the Modern World, Working of Institutions, Food Security in India, Democratic Rights, Population	NA	Day, date and time sequence, Dice test, Cube test, Mirror and water image, Paper cutting, Coding, Figure series, Nonverbal analogy, Nonverbal classification
OT-2 (4 Hr)	02.06.2022	Objective	Motion, Circular Motion, Force and Laws of Motion, Gravitation, Fluid, Work, Energy, Power, Wave Motion and Sound	Matter in our surrounding, Is matter around us Pure, Structure of Atom	Number System, Coordinate Geometry, Linear Equation in two variables, Polynomials, Introduction to Euclid geometry, Lines and Angles, Congruent triangles, Quadrilateral, Circles, Herons Formula, Area of parallelogram and Triangle, Surface area and volume, Statistics, Probability, Constructions	Cell, Tissue, Improvement of food Resources	India - Size and Location, The Story of Village Palampur, The French Revolution, Physical Features of India (upto The Himalayan Mountains)	NA	Logical alphabet number coding-decoding, number series, Series of letters, Missing term in figure, Mathematical operation, Direction sense, Seating arrangement, Blood relation, Puzzle test, Venn diagram, Syllogism, Day, date and time sequence, Dice test, Mirror and water image, Paper cutting, Coding, Figure series, Nonverbal analogy, Nonverbal classification
MT-2		Subjective							

Major Test Dates : 16th to 18th Sep, 2021
 Date of Reshuffling of Batches: 14.06.2021 | 27.09.2021
 Major Test Dates : 10th Feb to 18th Feb



COURSE PLANNER

CLASS
9
 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.

REGULAR PROGRAM ▶ Academic Session: 2021-2022
Course Commencement: 05.04.2021 | Course Ends: 19.02.2022

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 2021-22. 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:** 436
- ♦ **Duration of one lecture:** 50 minutes
- ♦ **Total Duration of Classroom Teaching:** 363 hrs
- ♦ **Total Duration of Testing:** 54 hrs
- ♦ **Total Academic Hours:** 435 hrs

HOLIDAYS / VACATIONS

1. **Resonance Foundation Day:** 11th April 2021 | 2. **Summer Break:** 31st May to 13th June 2021 | 3. **Independence Day:** 15th August, 2021 | 4. **Raksha Bandhan:** 22nd August, 2021 | 5. **Anant Chaturdash:** 19th September, 2021 | 6. **Dussehra:** 15th October, 2021 | 7. **Deepawali Holidays:** 1st to 07th November, 2021 | 8. **Winter Break:** 20th to 26th December, 2021 | 9. **Makar Sankranti:** 14th January 2022 | 10. **Republic Day:** 26th January, 2022. (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: 29th May, 2021 | 04th September, 2021 | 27th November, 2021 | 22nd January, 2022

CALL: 0744-277769 | SMS: RESO PCCP at 56677

PCCP Head Office: CG TOWER-2, Plot No. A-51 (A), IPIA, Behind City Mall, Jhalawar Road, Kota (Raj.)-324005

E-mail: pccp@resonance.ac.in | **Website:** www.pccp.resonance.ac.in

SUBJECT WISE SYLLABUS PLAN

MATHEMATICS

S.No.	Topic Name	No. of Classes
1.	Number System	11
2.	Coordinate geometry	2
3.	Linear equation in two variable	3
4.	Polynomial	11
5.	Introduction to euclid geometry	3
6.	Lines and angles	8
7.	Congruent triangle	9
8.	Quadrilaterals	8
9.	Circles	9
10.	Heron's formula	4
11.	Area of parallelograms and triangles	6
12.	Surface area and volume	9
13.	Statistics	9
14.	Probability	2
15.	Constructions	5
16.	Revision	8
Total		107

CHEMISTRY

S.No.	Topic Name	No. of Classes
1.	Matter in our surrounding	11
2.	Is matter Around us Pure	16
3.	Structure of Atom	8
4.	Atoms & Molecules	17
5.	Revision	5
Total		57

PHYSICS

S.No.	Topic Name	No. of Classes
1.	Basic Mathematics	1
2.	Motion	12
3.	Circular Motion	2
4.	Force & Laws of Motion	10
5.	Gravitation	7
6.	Fluid	7
7.	Work, Energy, Power	8
8.	Wave, Motion & Sound	11
Total		58

BIOLOGY

S.No.	Topic Name	No. of Classes
1.	Cell	13
2.	Tissue	10
3.	Improvement of food resources	7
4.	Biodiversity	17
5.	Why do we fall ill	6
6.	Natural resources	3
Total		56

ENGLISH

S.No.	Topic Name	No. of Classes
1.	Tense	2
2.	Conditionals	1
3.	Subject Verb Agreement	2
4.	Determiners	1
5.	The Fun they had	1
6.	The Road Not Taken	1
7.	The Lost child	1
8.	The sound of music	2
9.	The Adventures of TOTO	1
10.	Reported speech	2
11.	Writing section	1
12.	Wind, Iswaran the story teller	1
13.	Rain on the roof	1
14.	The little girl	1
15.	Modals	3
16.	A truly beautiful mind	1
17.	In the kingdom of fools	2
18.	The lake Isle of Innisfree	1
19.	The snake and the mirror, A legend of the northland	1
20.	The happy prince	2
21.	My childhood, No men are foreign	2
22.	Active and Passive voice	2
23.	Packing	1
24.	Prepositions	2
25.	Weathering the storm in Ersama	2
26.	The last leaf	1
27.	The duck and the kangaroo	1
28.	Reach for the top	1
29.	Connectors	2
30.	A house is not a home	1
31.	On killing a tree	1
32.	The bond of love, Clauses	2
33.	The snake trying, Kathmandu, A slumber did my spirit seal	3
34.	The accidental tourist	1
35.	If I were You	2
36.	The beggar	2
37.	Revision	4
Total		58

SOCIAL SCIENCE

S.No.	Topic Name	No. of Classes
1.	India – Size and Location	2
2.	The Story of Village Palampur	2
3.	The French Revolution	3
4.	Physical Features of India	3
5.	Socialism in Europe and The Russian Revolution	5
6.	What is Democracy ? Why Democracy?	4
7.	People as Resource	2
8.	Constitutional Design	4
9.	Drainage	3
10.	Nazism and The rise of Hitler	3
11.	Poverty as a Challenge	2
12.	Electoral Politics	3
13.	Climate	3
14.	Forest Society and Colonialism	3
15.	Natural Vegetation and Wildlife	2
16.	Pastoralists in the Modern World	3
17.	Working of Institutions	3
18.	Food Security in India	3
19.	Democratic Rights	2
20.	Population	4
21.	Revision	8
Total		67

MENTAL ABILITY

S.No.	Topic Name	No. of Classes
1.	Logical alphabet number	2
2.	Coding-decoding	2
3.	Number series	2
4.	"Series of letters"	2
5.	Missing term in figure	2
6.	"Mathematical operation"	2
7.	Direction sense	1
8.	Seating arrangement	2
9.	Blood relation	1
10.	Puzzle relation	2
11.	Venn diagram	1
12.	Syllogism	2
13.	"Day, date and time sequence"	3
14.	Dice test	2
15.	Cube test	2
16.	"Mirror and water image, Paper cutting and folding"	1
17.	"Figure partition & counting"	1
18.	Nonverbal series	1
19.	Nonverbal analogy	1
20.	Nonverbal classification	1
Total		33

School Examination Preparatory (SEP) Sheet: Schedule

S.No.	Solve Date	Check Date	Test Syllabus					
			Physics	Chemistry	Mathematics	Biology	English	Social Science
1	5/4 to 4/5	6/5 to 11/5			Number System		tense,Conditionals,Determiners Subject Verb Agreement	India – Size and Location + The Story of Village Palampur
2	29/4 to 04/5	1/7 to 6/7	Motion	Matter in our Surroundings	Coordinate geometry	Cell	The Fun they had,The Road Not Taken, The Lost child,The sound of music	The French Revolution+Socialism in Europe & The Russian Revolution
3	6/5 to 18/5	27/5 to 1/6	Circular Motion		Linear equation in two variable	Tissue	The Adventures of TOTO,Reported speech Writing section, Wind	Physical Features of India+ What is Democracy ? Why Democracy ?
4	20/5 to 29/6	1/7 to 6/7	Force and Laws of Motion		Polynomial		Iswaran the story teller,Rain on the roof The little girl	People as Resource+Drainage
5	01/7 to 6/7	29/7 to 3/8		Is Matter around us Pure	Introduction to euclid geometry	Improvement in food Resources	Modals, A truly beautiful mind	Constitutional Design + Nazism and The rise of Hitler
6	08/7 to 27/7	30/9 to 5/10	Gravitation		Lines and angles		In the kingdom of fools The lake Isle of Innisfree	
7	29/7 to 17/8	28/10 to 2/11	Fluid		Congruent triangle		The snake and the mirror, A legend of the northland, The happy prince	Poverty as a Challenge
8	19/8 to 7/8	01/10 to 06/10			Quadrilaterals		Novel (Term-1) My childhood, No men are foreign	Electoral Politics
9	30/9 to 26/10	29/10 to 3/11			Circles		Active and Passive voice Packing	Climate + Natural Vegetation & Wildlife
10	28/10 to 2/11	30/12 to 4/01	Work Energy Power	Structure of Atom	Heron's formula	Bio Diversity	Prepositions Weathering the storm in Ersama	Forest Society and Colonialism+Pastoralists in the Modern World+Food Security in India
11	4/11 to 23/11	25/11 to 30/11			Area of parallelograms and triangles	Why do we fall ill ?	The last leaf,The duck and the kangaroo Reach for the top	Working of Institutions+Democratic Rights
12	25/11 to 21/12	29/12 to 3/1			Surface area and volume		Connectors The last leaf The duck and the kangaroo	Population
13	30/12 to 18/1	26/1 to 31/1			Statistics		A house is not a home On killing a tree,The bond of love, Clauses	
14	20/1 to 25/1	27/1 to 1/2	Wave, Motion & Sound	Atoms and Molecules	Probability	Natural Resources	The snake trying, Kathmandu A slumber did my spirit seal	
15	27/1 to 1/2	27/1 to 1/2			Constructions		The accidental tourist,If I were You The beggar, Novel (Term-2)	