



COURSE PLANNER

For Students of

CLASS-10th

(Board + Olympiad)

REGULAR PROGRAM

Medium: **English**

Course Concept: The Program prepare students for NCERT + OLYMPIADS & build strong foundation that leads to Excellent performance in Engineering & Medical Examinations along with excellence in school studies.

Course Commencement: 03.04.2024 | Course Ends: 15.02.2025

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 2024-25. 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:** 360
- ♦ **Duration of one lecture:** 45 minutes
- ♦ **Total Duration of Classroom Teaching:** 270 hrs
- ♦ **Total Duration of Testing:** 74 hrs
- ♦ **Total Academic Hours:** 344 hrs

HOLIDAYS / VACATIONS

- 1. Summer Break:** 20th May to 15th June 2024
- 2. Independence Day:** 15th August, 2024
- 3. Raksha Bandhan:** 19th August, 2024
- 4. Anant Chaturdashi:** 17th September, 2024
- 5. Dussehra:** 12th October, 2024
- 6. Deepawali Holidays:** 28th Oct. to 05th November, 2024
- 7. Winter Break:** 30th Dec. 2024 to 04th January, 2025
- 8. Makar Sankranti:** 14th January 2025
- 9. Republic Day:** 26th January, 2025: (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: 04th May, 2024 | 03rd August, 2024 | 28th September, 2024 | 21st December, 2024 | 08th February, 2025

CALL US FOR MORE DETAIL :
0744.277769 |  **8824078330**

PCCP Head Office: CG Tower, A.46 & 52, IPIA, Near 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.	Real Number	7
2.	Polynomial	7
3.	Linear equation in two variable	6
4.	Quadratic Equation	5
5.	Similar triangle	9
6.	Circle	3
7.	Trigonometry	7
8.	Height and Distances	2
9.	Area related to circles	5
10.	Surface area and volume	8
11.	Coordinate Geometry	5
12.	Probability	4
13.	Statistics	7
14.	Arithmetic Progression	5
15.	Constructions	4
Total		84

CHEMISTRY

S.No.	Topic Name	No. of Classes
1.	Chemical reaction and equation	10
2.	Acids, Bases and salts	10
3.	Metals and Nonmetals	9
4.	Carbon and its compounds	19
Total		48

BIOLOGY

S.No.	Topic Name	No. of Classes
1.	Nutrition	8
2.	Respiration	5
3.	Transportation	3
4.	Excretion	3
5.	Control and coordination	11
6.	How Do Organisms Reproduce	7
7.	Heredity and Evolution	7
8.	Our Enviroment & Management Of Natural Resources	3
Total		47

ENGLISH

S.No.	Topic Name	No. of Classes
1	Tense	3
2	Reading Comprehension	1
3	Letter To God	1
4	Nelson Mandela	2
5	"P-1 Dust of snow, P2 - Fire and IceA Triumph of Surgery"	2
6	Two Stories About Flying (His First Flight)	2
7	Subject Verb Agreement	2
8	Reported Speech	4
9	Determiners	1
10	Letter Writing	1
11	P3: Tiger in the Zoo, P4: How to tell Wild Animals	2
12	The Thief's Story, The Midnight visitor	2
13	Modals	2
14	Question Of Trust	1
15	From the diary of anne frank	1
16	P 5:The Ball Poem	1
17	P 6: Amanda, Paragraph Writing	2
18	Footprints without feet,	1
19	The Making of a scientist	1
20	The Necklace, Glimpses of India	3
21	P 8: The trees, P 9: Fog	1
22	" P 10: The tale of Custard the dragon,P 11: For Anne Gregory"	1
23	Mijbil-the otter Bholi	2
24	Madam Rides The Bus	1
25	The Book That Saved The Earth	2
The Sermon at Benares		1
The Proposal		2
Total		45

SOCIAL SCIENCE		
S.No.	Topic Name	No. of Classes
1	Power Sharing	2
2	Resources and Development	2
3	The Rise of Nationalism in Europe	3
4	Development	3
5	Federalism	2
6	Sectors of Indian Economy	2
7	Forest and Wildlife	2
8	Resources	2
9	Nationalism In India	5
10	The Making of a Global World	2
11	Gender Religion and caste	2
12	Water Resources	2
13	Agriculture	2
14	Minerals and Energy Resources	2
15	Money and Credit	2
16	Globalisation and the Indian Economy	2
17	Print Culture and the Modern World	4
18	Manufacturing Industries	3
19	Lifelines of the National Economy	2
20	Political Parties	3
21	Outcomes of Democracy	2
22	Map syllabus	1
23	The Age of Industrialisation,Challenges to Democracy	2
24	Consumer Rights	2
	Total	56

MENTAL ABILITY		
S.No.	Topic Name	No. of Classes
1	Alphabet test	1
2	coding-decoding	2
3	"Number series"	2
4	Alphabet series	1
5	Letter repeating series	1
6	Missing term in figure	2
7	"Mathematical operations,Direction sense test"	2
8	"Sitting arrangement,Ranking & ordering"	2
9	Blood relation	1
10	Puzzle test	2
11	Venn diagram,Syllogism	1
12	Analogy,Classification	2
13	Pyramid test	1
14	Calendar test	2
15	Dice test,Cube test	2
16	clock test	1
17	"Figure partition & counting,Mirror image & Water image, Paper cutting & folding,Completion & formation of figure,Figure embedded"	2
18	Nonverbal series	1
19	Nonverbal analogy, Nonverbal classification	1
20	Logical sequence of words	1
21	Logical Deduction	1
	Total	31

PHYSICS		
S.No.	Topic Name	No. of Classes
1	Light	15
2	Electricity	16
3	Magnetic Effect of Electrical Current	16
	Total	48

School Examination Preparatory (SEP) Sheet: Schedule

S.No.	Test Syllabus					
	Physics	Chemistry	Mathematics	Biology	English	Social Science
1			Real Number	Nutrition	Tense	Power Sharing
2		Chemical Reactions and Equations	Polynomial	Respiration	Reading Comprehension + Letter To God+ Nelson Mandela	Resources and Development
3	Light		Linear equation in two variables	Transportation	"P-1 Dust of snow, P2 - Fire and Ice A Triumph of Surgery"	The Rise of Nationalism in Europe +Development
4			Quadratic equations	Excretion	Two Stories About Flying (His First Flight) +Subject: Verb Agreement	Federalism + Sectors of Indian Economy
5	Electricity	Acids, Bases and Salts	Similar triangle	Control and Co-ordination	Reported Speech+ Determiners + Letter Writing	Forest and Wildlife +Resources
6			Circles		P3: Tiger in the Zoo, P4: How to tell Wild Animals	Nationalism In India + The Making of a Global World
7		Metals & Nonmetals	Trigonometry	How Do Organisms Reproduce	The Thief's Story, The Midnight visitor	Gender Religion and caste+ Water Resources+Agriculture
8	Magnetism		Heights and distances		Modals + Question Of Trust+ From the diary of anne frank	Minerals and Energy Resources + Money and Credit
9			Area related to circles		P 5:The Ball Poem+ P 6: Amanda, Paragraph Writing	Globalisation and the Indian Economy
10		Carbon and Its compounds	Surface area and volume		Footprints without feet,+ The Making of a scientist	Print Culture and the Modern World+ Manufacturing Industries
11			Coordinate geometry		The Necklace, Glimpses of India+ P 8: The trees, P 9: Fog	Lifelines of the National Economy
12			Probability	Heredity and Evolution	" P 10: The tale of Custard the dragon, P 11: For Anne Gregory"	Political Parties + Outcomes of Democracy
13			Statistics	Our Environment	Mijbil-the otter: Bholi+ Madam Rides The Bus	Map syllabus
14			Arithmetic Progression	Management of Natural Resources	The Book That Saved The Earth	The Age of Industrialisation, Challenges to Democracy
15			Constructions		The Sermon at Benares+ The Proposal	Consumer Rights

Academic Planning & Test Grid

Olympiad Pattern Cumulative Test (OCT), Board Pattern Test (BPT), Major Test (MT) Syllabus

Periodic Test Type & No.	P.T. Date	Test Type	Physics		Chemistry		Mathematics		Biology		Social Science		English		Mental Ability
			Light (till images and image formed by plane mirror)	Light (upto Spherical lenses, convex and concave lenses)	Chemical reaction and equation (upto types of chemical reaction)	Chemical reaction and equation (upto acids and bases and salts (till chemical properties of acids))	Real Number	Nutrition (upto PhotoSynthesis)	Power sharing, Resources and development, Resources and Development, The rise of Nationalism in Europe, Development	Reading Comprehension, tense					
OCT1 (2 Hr) (Sc, M, SST, E, MAT)	27.04.24	Objective	Light (till images and image formed by plane mirror)	Light (upto Spherical lenses, convex and concave lenses)	Chemical reaction and equation (upto types of chemical reaction)	Chemical reaction and equation (upto acids and bases and salts (till chemical properties of acids))	Real Number	Nutrition (upto PhotoSynthesis)	Power sharing, Resources and development, Resources and Development, The rise of Nationalism in Europe, Development	Reading Comprehension, tense	Alphabet test, coding, decoding (Letter, letter coding, Letter number coding)				
BPT1 (3 Hr, 5Hr) (Mains & SST)	11.05.24	Subjective (Offline)	NA	Light (upto Spherical lenses, convex and concave lenses)	Chemical reaction and equation (upto acids and bases and salts (till chemical properties of acids))	Chemical reaction and equation (upto acids and bases and salts (till chemical properties of acids))	Real Number	Nutrition, Respiration	NA	Tense, Reading comprehension, A Letter to God, Nelson Mandela, A triumph of surgery, Dust Of Snow, Fire and Ice	NA				
BPT2 (3 Hr, 5Hr) (Sc, & Eng)	06.07.24	Subjective (Offline)	Light (Complete)	Light (Complete)	Chemical reaction and equation (upto acids and bases and salts)	Chemical reaction and equation (upto acids and bases and salts)	Real Number, Polynomial, Linear equation in two variables, Quadratic equations, Similar triangle	Nutrition, Respiration, Transportation	Development, Federalism, Sectors of Indian Economy, Nationalism in India, The Making of a Global World	Tense, SVA, Reading comprehension, Nelson Mandela, The Midnight visitor	Alphabet test, coding-decoding, Number series, alphabet series, Letter repeating series, Missing term in figure, Mathematical operations				
OCT2 (2 Hr) (Sc, M, SST, E, MAT)	27.07.24	Objective	Light (Complete)	Light (Complete)	Chemical reaction and equation (upto acids and bases and salts)	Chemical reaction and equation (upto acids and bases and salts)	Polynomial, Linear Equation in two variable, Quadratic equations, Similar Triangle, Circles	Transportation, Excretion, Control & Coordination (upto pituitary gland)	Agriculture, The Making of a Global World, Gender Religion and caste, Forest and Wildlife Resources, Water Resources	NA	NA				
BPT3 (3 Hr, 5Hr) (Mains & SST)	10.08.24	Subjective (Offline)	NA	Light, Electricity (till Electric potential difference)	Chemical reaction and equation (upto acids and bases and salts and Metal and non metals (upto metallurgy))	Chemical reaction and equation (upto acids and bases and salts and Metal and non metals (upto metallurgy))	Polynomial, Linear Equation in two variable, Quadratic equations, Similar Triangle, Circles	Transportation, Excretion, Control & Coordination (upto pituitary gland)	NA	Reading Comprehension, Tense, Speech, Determiners, Writing section (Letter writing), Two stories (The Thief and the Dog, The Midnight visitor, The Thief's Story)	NA				
BPT4 (3 Hr, 5Hr) (Sc, & Eng)	24.08.24	Subjective (Offline)	Light, Electricity (Upto Heating Effect of current)	Light, Electricity (till Electric potential difference)	Chemical reaction and equation (upto acids and bases and salts metal and non metals)	Chemical reaction and equation (upto acids and bases and salts metal and non metals)	Real Number, Polynomial, Linear Equation in two Variable, Quadratic Equations, Similar Triangle, Circles, Trigonometry, Heights and Distances, Area related to circles	Transportation, Excretion, Control & Coordination (upto pituitary gland)	The Making Of a Global World, Gender, Religion and Caste, Agriculture, Minerals and energy resources, Money and credit, Print Culture and the Modern World,	NA	NA				

Half Yearly / Term-1 Dates: 7th to 20th Sep 2024

Periodic Test Type & No.	P.T. Date	Test Type	Physics		Chemistry		Mathematics		Biology		Social Science		English		Mental Ability
			Light, Electricity (Upto Heating Effect of current)	Light, Electricity, Magnetic effect of electric Current (upto Magnetic field due to current carrying circular coil)	Chemical reaction and equation (upto acids and bases and salts metal and non metals)	Chemical reaction and equation (upto acids and bases and salts metal and non metals)	Real Number, Polynomial, Linear Equation in two Variable, Quadratic Equations, Similar Triangle, Circles, Trigonometry, Heights and Distances, Area related to circles	Control & Coordination, How do organisms Reproduce, Heredity & Evolution, Our Environment	Minerals and energy resources, Money and credit, Globalisation in Indian economy, Print culture and the modern world, manufacturing industries	Letter writing, Reading comprehension, Footprints without feet, SVA, Reported Speech, The making of a scientist, The Necklace, Analytical paragraph, Glimpses of India, The Tree, Fog					
OCT3 (2 Hr) (Sc, M, SST, E, MAT)	05.10.24	Objective	Light, Electricity (Upto Heating Effect of current)	Light, Electricity, Magnetic effect of electric Current (upto Magnetic field due to current carrying circular coil)	Chemical reaction and equation (upto acids and bases and salts metal and non metals)	Chemical reaction and equation (upto acids and bases and salts metal and non metals)	Real Number, Polynomial, Linear Equation in two Variable, Quadratic Equations, Similar Triangle, Circles, Trigonometry, Heights and Distances, Area related to circles	Control & Coordination, How do organisms Reproduce, Heredity & Evolution, Our Environment	The Making Of a Global World, Gender, Religion and Caste, Agriculture, Minerals and energy resources, Money and credit, Print Culture and the Modern World,	NA	NA	Alphabet test, coding-decoding, Number series, alphabet series, Letter repeating series, Missing term in figure, Mathematical operations, Direction sense test, Sitting arrangement, Ranking & ordering, Blood relation, puzzle test, Venn diagram, Syllogism, Analogy			
BPT5 (3 Hr, 5Hr) (Mains & SST)	19.10.24	Subjective (Offline)	NA	Light, Electricity, Magnetic effect of electric Current (upto Magnetic field due to current carrying circular coil)	Chemical reaction and equation (upto acids and bases and salts metal and non metals)	Chemical reaction and equation (upto acids and bases and salts metal and non metals)	Trigonometry, Heights and Distances, Area related to circles, Surface area and volume	Control & Coordination, How do organisms Reproduce, Heredity & Evolution, Our Environment	Minerals and energy resources, Money and credit, Globalisation in Indian economy, Print culture and the modern world, manufacturing industries	NA	NA	NA			
BPT6 (3 Hr, 5Hr) (Sc, & Eng)	23.11.24	Subjective (Offline)	Light, Electricity, Magnetic effect of electric Current	Light, Electricity, Magnetic effect of electric Current	Chemical reaction and equation (upto acids and bases and salts metal and non metals)	Chemical reaction and equation (upto acids and bases and salts metal and non metals)	Real Number, Polynomial, Linear Equation in two Variable, Quadratic Equations, Similar Triangle, Circles, Trigonometry, Heights and Distances, Area related to circles, Surface area and volume, Coordinate geometry, Probability, Statistics	Control & Coordination, How do organisms Reproduce, Heredity & Evolution, Our Environment	Globalisation and the Indian Economy, Print Culture, Manufacturing Industries, Political Parties, Lifelines of the National Economy	Letter writing, Reading comprehension, Footprints without feet, SVA, Reported Speech, The making of a scientist, The Necklace, Analytical paragraph, Glimpses of India, The Tree, Fog	NA	NA			
OCT4 (2 Hr) (Sc, M, SST, E, MAT)	14.12.24	Objective	Light, Electricity, Magnetic effect of electric Current	Light, Electricity, Magnetic effect of electric Current	Chemical reaction and equation (upto acids and bases and salts metal and non metals)	Chemical reaction and equation (upto acids and bases and salts metal and non metals)	Real Number, Polynomial, Linear Equation in two Variable, Quadratic Equations, Similar Triangle, Circles, Trigonometry, Heights and Distances, Area related to circles, Surface area and volume, Coordinate geometry, Probability, Statistics	Full syllabus	Globalisation and the Indian Economy, Print Culture, Manufacturing Industries, Political Parties, Lifelines of the National Economy	Reading comprehension, The tale of Custard the dragon, For Anne Gregory, Jibbit: The Other, Bhooli, Madam Rides the Bus, The Book That Saved The Earth	NA	NA	Full syllabus		

Pre Board / Term-2 Dates: 08 Jan-2025 to 15 Feb-2025

Periodic Test Type & No.	P.T. Date	Test Type	Physics	Chemistry	Mathematics	Biology	Social Science	English	Mental Ability
MT.2		Pre Board Subjective							

Date of Reshuffling of Batches: 24.06.2024 | 30.09.2024