

COURSE PLANNER

For Students of
CLASS-10th

PREMIUM PROGRAM



Medium: **English**

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

Course Commencement: 07.04.2025 | Course Ends: 14.02.2026

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 2025-26. The institute reserves the right to make changes in it in the interest of students.

TOTAL ACADEMIC HOURS

- ♦ Course Duration: 45 Weeks
- ♦ Total Number of Lectures: 553
- ♦ Duration of one lecture: 50 minutes
- ♦ Total Duration of Classroom Teaching: 461 hrs
- ♦ Total Duration of Testing: 86 hrs
- ♦ Total Academic Hours: 547 hrs

CALL US FOR MORE DETAIL :
0744-2777769 | 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	8
2.	Polynomial	9
3.	Linear equation in two variables	8
4.	Quadratic equations	6
5.	Similar triangle	11
6.	Circles	5
7.	Trigonometry	7
8.	Heights and distances	3
9.	Area related to circles	5
10.	Surface area and volume	6
11.	Coordinate geometry	6
12.	Probability	4
13.	Statistics	9
14.	Arithmetic Progression	5
15.	Constructions	5
16.	Revision	16
	Total	113

CHEMISTRY		
S.No.	Topic Name	No. of Classes
1.	Chemical reaction and equation	7
2.	Acids, Bases and salts	10
3.	Metals and Nonmetals	9
4.	Carbon and its compounds	23
5.	Revision	15
	Total	64

PHYSICS		
S.No.	Topic Name	No. of Classes
1	Light	25
2	Electricity	17
3	Magnetic Effect of Electric Current	15
4	Revision	7
	Total	64

ENGLISH		
S.No.	Topic Name	No. of Classes
1	Tense	2
2	"Reading Comprehension "	2
3	"Letter To God"	3
4	"Nelson MandelaP-1 Dust of snow "	3
5	"P2 - Fire and Ice"	3
6	"A Triumph of SurgeryTwo Stories About Flying"	3
7	"Subject Verb Agreement"	3
8	"Reported SpeechDeterminersLetter Writing "	3
9	"P3: Tiger in the ZooP4: How to tell Wild Animals"	2
10	"The Thief's StoryThe Midnight visitorModals "	3
11	"Modals"	3
12	"A Question Of Trust From the Diary of Anne Frank"	3
13	"P 5:The Ball Poem"	2
14	"P 6: AmandaAnalytical Paragraph Writing "	2
15	Footprints without feet	3
16	The Making of a scientist	2
17	"The Necklace"	2
18	" Glimpses of India(Part- 1,2)"	2
19	"Glimpses of India(Part- 3)P 8: The trees"	2
20	"P9: FogP10: The Tale of Custard the dragon,"	2
21	" Mijbil-the otter"	0
22	" Bholi "	3
23	" Madam Rides The BusP 11: For Anne Gregory"	2
24	The Book That Saved The Earth	3
25	" The Sermon at BenaresThe Proposal"	3
26	The Proposal	3
27	Revision	7
	Total	71

BIOLOGY		
S.No.	Topic Name	No. of Classes
1.	Nutrition	7
2.	Respiration	8
3.	Transportation	8
4.	Excretion	5
5.	Control and coordination	9
6.	Reproduction	9
7.	Heredity and Evolution	7
8.	Our Enviroment	5
9.	Revision	3
	Total	61

SOCIAL SCIENCE		
S.No.	Topic Name	No. of Classes
1	Power Sharing	2
2	Resources and Development	3
3	The Rise of Nationalism in Europe	3
4	Development	2
5	Federalism	4
6	Sectors of Indian Economy	3
7	Forest and Wildlife Resources	2
8	Nationalism in India	6
9	The Making of a Global World	2
10	Gender Religion and caste	1
11	Water Resources	2
12	Agriculture	1
13	Minerals and Energy Resources	3
14	Money and Credit	3
15	Globalisation and the Indian Economy	3
16	Print Culture and the Modern World	4
17	Manufacturing Industries	3
18	Lifelines of the National Economy	5
19	Political Parties	2
20	Outcomes of Democracy	3
21	The Age of Industrialisation	3
22	Consumer Rights	2
23	Challenges to Democracy	3
24	Revision	10
	Total	75

MENTAL ABILITY		
S.No.	Topic Name	No. of Classes
1	Alphabet test	2
2	coding-decoding	1
3	"Number series"	1
4	alphabet series	1
5	Letter repeating series	1
6	Missing term in figure	1
7	"Mathematical operations,Direction sense test"	4
8	"Sitting arrangement,Ranking & ordering"	3
9	Blood relation	2
10	Puzzle test	1
11	Venn diagram,Syllogism	2
12	Analogy,Classification	2
13	Pyramid test	1
14	Calendar test	1
15	Dice test,Cube test	2
16	clock test	2
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	2
	Total	34

School Examination Preparatory (SEP) Sheet: Schedule

S.No.	Test Syllabus					
	Physics	Chemistry	Mathematics	Biology	English	Social Science
1			Real Number	Nutrition	Tense + "Reading Comprehension " + "Letter To God"	Power Sharing Resources and Development
2		Chemical Reactions and Equations	Polynomial	Respiration	"Nelson Mandela P-1 Dust of snow " + "P2 - Fire and Ice"	The Rise of Nationalism in Europe Development, Federalism
3	Light		Linear equation in two variables	Transportation	"A Triumph of Surgery Two Stories About Flying" + "Subject Verb Agreement"	Sectors of Indian Economy Forest and Wildlife Resources
4		Periodic Classification of elements	Quadratic equations	Excretion	"Reported Speech Determiners Letter Writing " + "P3: Tiger in the ZooP4: How to tell Wild Animals"	Nationalism in India The Making of a Global World
5	Electricity	Acids, Bases and Salts	Similar triangle	Control and Co-ordination	"The Thief's Story The Midnight visitor Models " + "Models"	Gender Religion and caste Water Resources
6			Circles		"A Question Of Trust From the Diary of Anne Frank" + "P 5:The Ball Poem"	Agriculture Minerals and Energy Resources
7		Metals & Nonmetals	Trigonometry	How Do Organisms Reproduce	"P 6: Amanda Analytical Paragraph Writing " + "Footprints without feet"	Money and Credit Globalisation and the Indian Economy
8	Magnetic Effect of Electric Current		Heights and distances		The Making of a scientist + "The Necklace" + " Glimpses of India(Part- 1,2)"	Print Culture and the Modern World
9			Area related to circles		"Glimpses of India(Part- 3/P 8: The trees" + "P9: FogP10: The Tale of Custard the dragon,"	Manufacturing Industries
10		Carbon and Its compounds	Surface area and volume		" Mijbil-the otter" + " Bholi "	Lifelines of the National Economy
11			Coordinate geometry		"Madam Rides The Bus P 11: For Anne Gregory"	Political Parties
12			Probability	Heredity and Evolution	The Book That Saved The Earth	Outcomes of Democracy
13	Sources of Energy		Arithmetic Progression	Our Environment	" The Sermon at BenaresThe Proposal"	The Age of Industrialisation
14			Statistics		The Proposal	Consumer Rights
15			Constructions			Challenges to Democracy

HINDI		
S.No.	Topic Name	No. of Classes
1	पदबंध परिचय	3
2	कबीर की साखी	3
3	मीरा के पद	3
4	बड़े भाई साहब	3
5	डायरी का एक पन्ना	2
6	ततारा वामीरों कथा	3
7	समास-परिचय	3
8	हरिहर काका	3
9	पर्वत प्रदेश में पावस	2
10	तोप	2
11	वाक्य-विचार	4
12	अब कहाँ दूसरों के दुख में दुखी होने वाले	2
13	पत्र लेखन, सूचना लेखन	2
14	मुहावरे (पाठ के आधार पर) विज्ञापन- लेखन, अनुच्छेद लेखन	2
15	मनुष्यता	3
16	कर चले हम फिदा	2
17	पतझड़ में टूटी पत्तियाँ	2
18	आत्मत्राण	2
19	मेरे सपनों के-से दिन	3
20	तीसरी कसम	3
21	टोपी शुक्ला	3
22	अपठित गद्यांश, लघुकथा लेखन, ईमेल लेखन	2
23	Revision	2
TOTAL		59

PTSM SCHEDULE

PTSM#1

10

May 2025

PTSM#3

04

October 2025

PTSM#2

23

August 2025

PTSM#4

24

January 2026



HOLIDAYS / VACATIONS

- | | | | |
|--------------------------|------------------------|---------------------|----------------------------|
| 1. Eid al-Adha, Bakrid | 07-June-2025 | 13. Christmas Day | 25-Dec-2025 |
| 2. Summer Break | 18-May to 22 June-2025 | 14. Winter Vacation | 28-Dec 2025 to 04 Jan-2026 |
| 3. Muharram | 06-July-2025 | 15. Makar Sankranti | 14-Jan-2026 |
| 4. Raksha Bandhan | 09-Aug-2025 | 16. Republic Day | 26-Jan-2026 |
| 5. Independence Day | 15-Aug-2025 | 17. Maha Shivaratri | 15-Feb-2026 |
| 6. Janmashtami (In kota) | 17-Aug-2025 | 18. Holi Dahan | 03 -Mar-2026 |
| 7. Anant Chaturdashi | 06-Sep-2025 | 19. Holi | 04 -Mar-2026 |
| 8. Navratra Sthapna | 22-Sep-2025 | 20. Eid al - Fitr | 20 -Mar-2026 |
| 9. Durga Ashtami | 30-Sep-2025 | | |
| 10. Dussehra | 02-Oct-2025 | | |
| 11. Diwali | 17-Oct to 26 Oct-2025 | | |
| 12. Guru Nanak Jayanti | 05-Nov-2025 | | |

ACTIVITIES

Date	Activity	Class	Date	Activity	Class
12.Apr.25	House Meeting + Classes	5th to 10th	29.Nov.25	Tug of war + Sack Race + Lemon Race + 3 Legged Race	5th to 8th
19.Apr.25	Painting Competition	5th to 8th	13.Dec.25	Picnic	5th to 10th
05.Jul.25	Indoor Sports (TT, Carom, Chess)	5th to 9th	26.Dec.24	Goonj (Baal Mela & Science Exhibify)	5th to 10th
10.Jul.25	Guru Purnima Mahotsav	5th to 10th	27.Dec.24	Goonj (Cultural Night)	5th to 10th
08.Aug.25	Raksha Bandan Competition (IH)	5th to 8th	26.Jan.25	Republic Day Celebration	6th to 10th
15.Aug.25	Independence Day	5th to 10th	* These activities will be used for Scholastic Evaluation.		
30.Aug.25	Picnic	5th to 10th			
05.Sep.25	Teacher's Day Celebration	5th to 10th			
27.Sep.25	Dandiya Raas	5th to 10th			
15.Oct.25	Sports (Cricket)	5th to 8th			
16.Oct.25	Diya Making (IH)	5th to 8th			
16.Oct.25	Rangoli (IH)	5th to 8th			
01.Nov.25	Sports (Cricket)	9th to 10th			
15.Nov.25	Baal Kavi Sammelan	5th to 10th			

Academic Planning & Test Grid

Olympiad Pattern Part Test (OPT), Olympiad Pattern Cumulative Test (OCT), Board Pattern Test (BPT), Major Test (MT) Syllabus											
Periodic Test (PT) Type & No.	P.T. Date	Test Type	Physics		Chemistry	Mathematics	Biology	Social Science	English	Mental Ability	Hindi
			Light (III Reflection)	Regular and Irregular	Chemical reaction and equations (upto types of chemical reaction- upto addition rxn)	Real Number	Nutrition (upto Factors affecting Photo Synthesis)	Power sharing, Resources and development	Reading Comprehension, Tense	Alphabet test, coding-decoding (Letter-letter coding, Letter number coding)	NA
OPT1 (2 Hr) (Ss,M,SSST, E,MT)	26.04.25	Objective			Chemical reaction and equations	Real Number, Polynomial	Nutrition, Respiration (upto Structure of human respiratory system)	Power sharing, Resources and Development, The rise of Nationalism in Europe, Development, Federalism	Tense, Reading comprehension. A Letter to Gaur, Nelson Mandela, Dust Of Snow, Fire and Ice	Alphabet test, coding-decoding, Number series, alphabet series, Letter repeating series	NA
OCT1 (2 Hr) (Ss,M,SSST, E,MT)	17.05.25	Objective			Chemical reaction and equations						
BPT1 (3 Hr) (Ss. & Eng)	10.07.25	Subjective	Light (Total internal reflection (Rainbow))		Chemical reaction and equation, acids and bases and salts (III chemical properties of acids)	NA	Nutrition, Respiration	NA	Reading comprehension, Letter Writing, Tense ,Subject Verb Agreement, Nelson Mandela, Dust of Snow, Fire and Ice, A Triumph of Surgery, Two Stories-About Flying,	NA	NA
BPT2 (3 Hr) (Mains & SSST)	12.07.25	Subjective	NA		NA	Real Number, Polynomial, Linear equation in two variables, Quadratic equations	NA	Power sharing, Resources and Development, The Rise of Nationalism in Europe, Development, Federalism, Sectors of Indian Economy, Forest and Wildlife Resources,	NA	NA	NA
MBPT1 (2 Hr) (Hindi)	26.07.25	Subjective	NA		NA	NA	NA	NA	NA	NA	परदेकन्य, समारा, कबीर की साखी, मीरा के पद, बड़े भाई साहब, डायरी का एक पन्ना, तर्कचर वार्मीरो कथा
OPT2 (2 Hr) (Ss,M,SSST, E,MT)	16.08.25	Objective	Light(from Reflection in plane mirror), Electricity (upto Electric current)		Chemical reaction and equation ,Acids, Bases and salts	Linear Equation in two variable, Quadratic equations, Arithmetic Progression, Similar Triangle	Transportation, Excretion	Forest and Wildlife Resources , Nationalism In India, The Making of a Global World, Gender Religion and caste, Water Resources, Agriculture, Minerals and Energy Resources, Money and Credit	Subject Verb Agreement, Reported Speech, Determiners, Two stories about flying, P 3: Tiger in the Zoo, P4: How to tell Wildlife Animals, The Thief's Story	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	NA
MT-1 Term-1 (Half Yearly)			Subjective		Major Test Term-1 Dates: 8th to 20th Sep 2025						

Academic Planning & Test Grid

Olympiad Pattern Part Test (OPT), Olympiad Pattern Cumulative Test (OCT), Board Pattern Test (BPT), Major Test (MT) Syllabus											
Periodic Test (PT) Type & No.	PT Date	Test Type	Physics		Chemistry	Mathematics	Biology	Social Science	English	Mental Ability	Hindi
OPT3 (2 Hr) (Sc,M,SST, E,MAT)	11.10.25	Objective	Electricity (from Ohm's law), Magnetic effect of electric current & EMI (up to Properties of magnet)	Metal and non metals	Coordinate geometry, Trigonometry, Heights and Distances	Control & Coordination	Money and credit, Globalisation in Indian economy, Print culture and the modern world, Manufacturing Industries, Lifelines of the National Economy	Reported Speech, From the Diary of Anne Frank, The Ball poem, Question Of Trust, Modaks, Footprints without feet, Mirror image & Water image, Paper cutting & folding, Completion & formation of figure, Figure embedded	Venn diagram, Syllogism, Analogy, Classification, Calendar test Dice test, Cube test, Figure partition & counting, Mirror image & Water image, Paper cutting & folding, Completion & formation of figure, Figure embedded	NA	
OCT2 (2 Hr) (Sc,M,SST, E,MAT)	08.11.25	Objective	Light, Electricity, Magnetic effect of electric current & EMI (up to current carrying solenoid)	Chemical reaction and equation Acids bases and salts metal and non metals Carbon and its compound (upto Allotropes of Carbon)	Real Number, Polynomial, Linear Equation in two Variable, Quadratic equations, Arithmetic Progression, Similar Triangle, Coordinate geometry, Trigonometry, Heights and Distances, circle, Area related to circles	Nutrition, Respiration, Transportation, Excretion, Control & Coordination (upto Plants)	Power sharing, Resources and Development, The Rise of Nationalism in Europe, Development, Federalism, Sectors of Indian Economy, Forest and Wildlife Resources, Nationalism In India, The Making Of a Global World, Gender, Religion and Caste, Water Resources, Agriculture, Minerals and energy resources, Money and credit, Globalisation and the Indian Economy, Print Culture and the Modern World, Globalisation and the Indian Economy, Print Culture, Manufacturing Industries, Lifelines of the National Economy	Reported Speech, Tense, SVA, Footprints without feet, The making of a scientist, The Bakers of Goa, The Necklace, Modaks, Determiners, P3: Tiger in the Zoo P4: How to tell Wild Animals	Full syllabus	NA	
BPT3 (3 Hr) (Sc. & Eng)	4.12.25	Subjective	Electricity, Magnetic effect of electric current & EMI	Metal and non metals Carbon and its compound (upto Isomerism)	NA	Control & Coordination, How Do Organisms Reproduce, Heredity, Our Environment	NA	Reading comprehension, Letter and Paragraph writing, Tense, Modfaks, SVA, The tree, Fog, The tale of Custard the dragon, For Anne Gregory, Mijbil- The Otter, Bholi, Madam Rides the Bus, The Book That Saved The Earth	NA	NA	
BPT4 (3 Hr) (Maths & SST)	06.12.25	Subjective	NA	NA	Heights and Distances, circle, Area related to circles, Surface area and volume, Statistics	NA	Globalisation and the Indian Economy, Print Culture, Manufacturing Industries, Lifelines of the National Economy, Political Parties, Outcomes of Democracy	NA	NA	NA	
MBPT2 (3 hr)/Pre Board (Hindi)	20.12.25	Subjective	NA	NA	NA	NA	NA	NA	NA	NA	वाक्य-विचार, मुहावरे, अपठित गद्यांश, सूचना लेखन, लेखन, अनुच्छेद-लेखन, पत्र-लेखन, ई-मेल लेखन, समास, अब कहीं दूसरो के दुख में दुखी होने वाले, तीसरी कसम, कारपूस भरे सामने के-से दिने, मनुष्यता, आत्मजाण, पांडाई में टूटी परिधि, टोपी प्रकृति

MT - 2 Pre Board Subjective

Major Test Pre Board Dates: 15 Dec to 31 Jan-26

Date of Reshuffling of Batches : 23.06.2025 | 06.10.2025



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KANISHK KATARIA

AIR-44 (GEN)

IIT-JEE : 2010

AIR-24 (SC)

AIEEE: 2010

NTSE Scholar



AIR-4 (GEN) in JEE (Advanced) 2018

AIR-6 (GEN) in JEE (Main) 2018

SILVER MEDAL in 48th IPhO 2017

PAWAN GOYAL

GOLD MEDAL in 12th IJSO 2015

NTSE Scholar 2016

KVPY Fellowship Winner 2017

Student of PCCP since class- VIII

Study Centre: Kota (PCCP)



Currently
study in
MIT, USA

SIDDHANT MUKHERJEE

AIR-1 & 5 STATE TOPPER

in 15th IJSO (Stage-1) NSEJS 2018

Study Centre: Kota (PCCP)



**AIR-1 (GEN)
JEE (Main)-2017**

ATMA
BOOK OF
RECORDS
for perfect score
in JEE (Main) 2017
360/36



KALPIT VEERWAL

ARR-1 in NTSE 2015

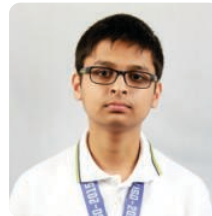
Student of PCCP



PRIYANSHU YADAV

Gold Medal in IJSO 2019

Student of PCCP



YASH GUPTA

Gold Medal in IJSO 2015

Student of PCCP



LAY JAIN

Gold Medal in IJSO 2015

Student of PCCP
Currently Study in
(MIT), USA (2022)

**AIR-163 (GEN)
JEE (Advanced)-2013**



YASH GUPTA

Gold Medal in IJSO 2010

NTSE Scholar

KVPY Scholar

SILVER Medal in IESO 2011



VARNAN DEVANGAN

Gold Medal in IESO 2019

Student of PCCP

**AIR-38 (GEN)
JEE (Advanced)-2015**



BHAVYA CHOUDHARY

Silver Medal in IJSO 2012

NTSE Scholar

KVPY Scholar

Gold Medal in IAO



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