

# COURSE PLANNER

For Students of  
**CLASS-10<sup>th</sup>**

## 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: 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

### TOTAL ACADEMIC HOURS

- ♦ Course Duration: 46 Weeks
- ♦ Total Number of Lectures: 752
- ♦ Duration of one lecture: 50 minutes
- ♦ Total Duration of Classroom Teaching: 626 hrs
- ♦ Total Duration of Testing: 89 hrs
- ♦ Total Academic Hours: 715 hrs

### 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.

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	8
	<b>Total</b>	<b>105</b>

## CHEMISTRY

S.No.	Topic Name	No. of Classes
1.	Chemical reaction and equation	9
2.	Acids, Bases and salts	10
3.	Metals and Nonmetals	9
4.	Carbon and its compounds	22
5.	Revision	14
	<b>Total</b>	<b>64</b>

## PHYSICS

S.No.	Topic Name	No. of Classes
1	Light	19
2	Electricity	17
3	Magnetic Effect of Electric Current	11
4	Revision	19
	<b>Total</b>	<b>66</b>

## ENGLISH

S.No.	Topic Name	No. of Classes
1	Tense	3
2	Reading Comprehension, A Letter to God	1
3	Nelson Mandela	2
4	P-1 Dust of snow ,P2 - Fire and Ice	1
5	A triumph of Surgery	1
6	Subject Verb agreement	2
7	Two stories about flying ( His First Flight)	1
8	Reported Speech	2
9	Determiners, Writing section	2
10	Two stories about flying (Black aeroplane)	1
11	P 3:A Tiger in the Zoo, The thief's Story	1
12	The Midnight visitor, P 4: How to tell wild animals	2
13	Modals	2
14	A Question of trust, From the diary of Anne Frank	2
15	From the diary of Anne Frank, P 5:The Ball Poem,P 6: Amanda	2
16	Footprints without feet	1
17	The Hundred dresses (part -1,2)	2
18	Active and passive voice	2
19	The making of a scientist,	2
20	The Necklace	2
21	Prepositions, Connectors	3
22	P 7: Animals	1
23	Glimpses of India, Writing Section	2
24	P 8: The trees,P 9: Fog,Clauses	3
25	P 10: The tale of Custard the dragon, P 11: For Anne Gregory,	1
26	The Hack Driver, Mijbil-the otter	2
27	Bholi, Madam rides the bus	2
28	The Book that saved the Earth, The sermon at Banares	2
29	The Proposal	2
30	Revision	16
	<b>Total</b>	<b>68</b>

## BIOLOGY

S.No.	Topic Name	No. of Classes
1.	Nutrition	8
2.	Respiration	6
3.	Transportation	5
4.	Excretion	5
5.	Control and coordination	10
6.	Reproduction	9
7.	Heredity and Evolution	7
8.	Our Environment	2
9.	Natural Resources	2
10.	Revision	14
	<b>Total</b>	<b>65</b>

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	4
4	Development	2
5	Federalism	2
6	Sectors of Indian Economy	3
7	Forest and Wildlife Resources	2
8	Nationalism in India	4
9	The Making of a Global World	2
10	Gender Religion and caste	2
11	Water Resources	2
12	Agriculture	3
13	Minerals and Energy Resources	2
14	Money and Credit	3
15	Globalisation and the Indian Economy	5
16	Print Culture and the Modern World	4
17	Manufacturing Industries	2
18	Lifelines of the National Economy	5
19	Political Parties	3
20	Outcomes of Democracy	2
21	The Age of Industrialisation	3
22	Consumer Rights	2
23	Challenges to Democracy	3
24	Revision	11
	<b>Total</b>	<b>75</b>

MENTAL ABILITY		
S.No.	Topic Name	No. of Classes
1	Alphabet test	2
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"	6
9	Blood relation	1
10	Puzzle test	2
11	Venn diagram,Syllogism	3
12	Analogy,Classification	2
13	Pyramid test	1
14	Calendar test	2
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	3
20	Logical sequence of words	1
21	Logical Deduction	4
	<b>Total</b>	<b>39</b>

## School Examination Preparatory (SEP) Sheet: Schedule

S.No.	Test Syllabus					
	Physics	Chemistry	Mathematics	Biology	English	Social Science
1			Real Number	Nutrition	Tense	Power Sharing Resources and Development
2		Chemical Reactions and Equations	Polynomial	Respiration	Conditionals + Two Gentlemen of Verona	The Rise of Nationalism in Europe Development, Federalism
3	Light		Linear equation in two variables	Transportation	The frog and the nightingale + SWA	Sectors of Indian Economy Forest and Wildlife Resources
4		Periodic Classification of elements	Quadratic equations	Excretion	Mrs. Packletide's Tiger + Reported speech + Modals	Nationalism in India The Making of a Global World
5	Electricity	Acids, Bases and Salts	Similar triangle	Control and Co-ordination	Determiners + Not Marble nor the Gilded Monuments	Gender Religion and caste Water Resources
6			Circles		The dear departed + Novel	Agriculture Minerals and Energy Resources
7		Metals & Nonmetals	Trigonometry	How Do Organisms Reproduce	Letter /story/article writing + Dialogue completion + editing + omission + newspaper headlines + Prepositions	Money and Credit Globalisation and the Indian Economy
8	Magnetic Effect of Electric Current		Heights and distances		Active Passive Voice + Connectors	Print Culture and the Modern World
9			Area related to circles		Ozymandias + Rime of the Ancient Mariner	Manufacturing Industries
10		Carbon and Its compounds	Surface area and volume		Shady plot + Patol babu	Lifelines of the National Economy
11			Coordinate geometry			Political Parties
12			Probability	Heredity and Evolution		Outcomes of Democracy
13	Sources of Energy		Arithmetic Progression	Our Environment	Virtually True	The Age of Industrialisation
14			Statistics	Management of Natural Resources	Julius Caesar + Dialogue completion + Editing + Omission + Newspaper Headlines	Consumer Rights
15			Constructions		Novel	Challenges to Democracy

HINDI		
S.No.	Topic Name	No. of Classes
1	पदबंध परिचय	2
2	कबीर की साखी	2
3	मीरा के पद	2
4	बड़े भाई साहब	3
5	डायरी का एक पन्ना	3
6	ततौरा वामीरों कथा	3
7	समास-परिचय	4
8	हरिहर काका	2
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	4
16	कर चले हम फिदा	3
17	पतझड़ में टूटी पत्तियाँ	3
18	आत्मत्राण	3
19	मेरे सपनों के-से दिन	3
20	टोपी शुक्ला	3
21	तीसरी कसम	3
22	अपठित गद्यांश, लघुकथा लेखन, ईमेल लेखन	3
23	Revision	4
<b>TOTAL</b>		<b>64</b>

SUBJECT WISE REVISION & DOUBT CLASSES		
S.No.	Topic Name	No. of Classes
1.	Physics	29
2.	Chemistry	25
3.	Mathematics	42
4.	Biology	23
5.	Social Science	17
6.	Personality Development	30
	English	11
<b>Total</b>		<b>177</b>

Physical Education		
S.No.	Topic Name	No. of Classes
1.	Health Card & B.M.I. Measure	4
2.	Game and Practice	12
3.	General and Specific Exercise	8
4.	Game Test	4
5.	Physical Fitness Test	4
6.	<b>Total</b>	<b>29</b>

## PTSM SCHEDULE

PTSM#1

04

May 2024

PTSM#3

28

September 2024

PTSM#5

8

February 2025

PTSM#2

03

August 2024

PTSM#4

21

December 2024



## HOLIDAYS / VACATIONS

- |                          |                        |                        |                            |
|--------------------------|------------------------|------------------------|----------------------------|
| 1. Eid ul-Fitar, Ramzan  | 11-Apr-2024            | 13. Guru Nanak Jayanti | 15-Nov-2024                |
| 2. Summer Break          | 20-May to 22 June-2024 | 14. Christmas Day      | 25-Dec-2024                |
| 3. Eid al-Adha, Bakrid   | 17-June-2024           | 15. Winter Vacation    | 30-Dec 2024 to 04 Jan-2025 |
| 4. Muharram              | 17-July-2024           | 16. Makar Sankranti    | 14-Jan-2025                |
| 5. Independence Day      | 15-Aug-2024            | 17. Republic Day       | 26-Jan-2025                |
| 6. Raksha Bandhan        | 19-Aug-2024            | 18. Maha Shivaratri    | 26-Feb-2025                |
| 7. Janmashtami (In kota) | 27-Aug-2024            | 19. Holi Dahan         | 13 -Mar-2025               |
| 8. Anant Chaturdashi     | 17-Sep-2024            | 20. Holi               | 14 -Mar-2025               |
| 9. Navratra Sthapna      | 03-Oct-2024            |                        |                            |
| 10. Durga Ashtami        | 11-Oct-2024            |                        |                            |
| 11. Dussehra             | 12-Oct-2024            |                        |                            |
| 12. Diwali               | 28-Oct to 05 Nov-2024  |                        |                            |

## ACTIVITIES

Date	Activity	Class	Date	Activity	Class
15.04.24	House Meeting	5 to 10	23.11.24	Eng. Vocab Wall (IH)	5 to 8
20.04.24	Painting Competition, English Extempore (Inter-house)	5 to 8	30.11.24	Picnic	5 to 10
18.05.24	Best Out of Waste (Inter-house)	5 to 8	07.12.24	Tug of war + Sack Race + Lemon Race + 3 Legged Race	5 to 8
13.07.24	Indoor Sports (TT, Carom, Chess), Science Quiz	5 to 8	26.12.24	Goonj (Baal Mela & Science Exhibify)	5 to 10
20.07.24	Guru Purnima Mahothsav	5 to 10	27.12.24	Goonj (Nobel Day & RGT)	5 to 10
20.07.24	Science Quiz	9 to 10	28.12.24	Goonj (Cultural Night)	5 to 10
15.08.24	Independence Day Celebration	5 to 10	26.01.25	Republic Day Celebration	5 to 10
17.08.24	Raksha Bandan Competition	5 to 8	* These activities will be used for Scholastic Evaluation.		
31.08.24	Picnic	5 to 10			
05.09.24	Teacher's Day Celebration	5 to 10			
08.10.24	Dandiya Raas	5 to 10			
12.10.24	Sports (Cricket)	5 to 8			
26.10.24	Diya Making, Rangoli (Inter House)	5 to 8			
09.11.24	Sports (Cricket)	9 to 10			
16.11.24	Baal Kavi Sammelan	5 to 10			

# Academic Planning & Test Grid

Olympiad Pattern Cumulative Test (OCT), Board Pattern Test (BPT), Major Test (MT) Syllabus									
PT. Date	Test Type	Physics	Chemistry	Mathematics	Biology	Social Science	English	Mental Ability	Hindi
OCT1 (2 Hr) (Ss,MSST, E,MT)	27.04.24 Objective	Light (till images and image formed by plane mirror)	Chemical reaction and equations (upto types of chemical reaction)	Real Number	Nutrition (upto Factors affecting Photosynthesis )	Power sharing, Resources and development.	Reading Comprehension, Tense	Alphabet test, coding-decoding (Letter-letter coding, Letter number coding.)	NA
BPT1 (3 Hr) (Maths & SST)	11.05.24 Subjective	NA	NA	Real Number	NA	Resources and Development, The rise of Nationalism in Europe, Development	NA	NA	NA
MBPT1 (1.5 hr) (Hindi)	29.06.24 Subjective	NA	NA	NA	NA	NA	NA	NA	संदर्भ, समास, कर्त्तर की पहचान, शेष के पर, बहु-वाक्य, अंतर का एक पंक्ति, कर्त्तर की पहचान
BPT2 (3 Hr) (Ss, & Eng)	06.07.24 Subjective	Light (upto Spherical lenses- convex and concave lenses)	Chemical reaction and equation + acids and bases and salts (till chemical properties of acids)	NA	Nutrition, Respiration	NA	Tense, Reading comprehension, A Letter to God, Nelson Mandela, A triumph of surgery, Dust Of Snow, Fire and Ice	NA	NA
OCT2 (2 Hr) (Ss,MSST, E,MT)	27.07.24 Objective	Light (Complete)	Chemical reaction and equation Acids, 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	NA
BPT3 (3 Hr) (Maths & SST)	10.08.24 Subjective	NA	NA	Polynomial, Linear Equation in two variable, Quadratic equations, Similar Triangle, Circles	NA	Agriculture, The Making of a Global World, Gender Religion and caste, Forest and Wildlife Resources, Water Resources	NA	NA	NA
BPT4 (3 Hr) (Ss, & Eng)	24.08.24 Subjective	Light, Electricity ( till Electric potential difference)	Chemical reaction and equation Acids bases and salts and Metal and non metals (upto metallurgy)	NA	Transportation, Excretion, Control & Coordination (upto pituitary gland)	NA	Reading Comprehension, Tense, Subject Verb Agreement, Reported Speech, Determiners, Writing section (Letter writing), two stories about flying, P-3: Tiger in the Zoo, P4: How to tell Wild Animals, The Midnight visitor, The Thief's Story	NA	NA

# Academic Planning & Test Grid

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
OCT3 (2 Hr) (Sc.,M.,SST, E.,MAT)	05.10.24	Objective	Light, Electricity (Up to Heating Effect of current)	Chemical reaction and equation Acids 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, how do organism reproduce (upto pollination)	The Making Of a Global World , Gender, Religion and Caste, Agriculture, Minerals and energy resources, Money and credit, Print Culture and the Modern World,	Reading Comprehension, Subject Verb Agreement, Reported Speech, From the Diary of Anne Frank, The Ball poem	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	NA
BPT5 (3 Hr) (Maths & SST)	19.10.24	Subjective	NA	NA	Trigonometry, Heights and Distances, Area related to circles, Surface area and volume	NA	Minerals and energy resources, Money and credit, Globalisation in Indian economy, Print culture and the modern world, manufacturing industries	NA	NA	NA
MBPT2 (1.5 Hr) (Hindi)	16.11.24	Subjective	NA	NA	NA	NA	NA	NA	NA	वाक्य-विचार, मुद्राचित्र, प्रार्थना, पद्यादि, अनुवाद-लेखन, पत्र-लेखन, अब कहीं सुंदरी के दुख में सुखी होने वाले, बिलारी के खेले, मनुष्यता, समता, पाकड में दूरी परिवर्तन
BPT6 (3 Hr) (Sc. & Eng)	23.11.24	Subjective	Light, Electricity, Magnetic effect of electric Current (upto Magnetic field due to current carrying circular coil)	Chemical reaction and equation Acids bases and salts metal and non metals Carbon and its compound (upto isomerisms)	NA	Control & Coordination, How do organisms Reproduce, Heredity & Evolution, Our Environment	NA	Letter writing, Reading comprehension, Footprints without feet, SVA, Reported Speech, The making of a scientist, The Necklace, Analytical paragraph, Glimpses of India, The free Fog	NA	NA
OCT4 (2 Hr) (Sc.,M.,SST, E.,MAT)	14.12.24	Objective	Light, Electricity, Magnetic effect of electric Current	Chemical reaction and equation Acids bases and salts metal and non metals Carbon and its compound	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, Mjib-The Otter, Bholi, Madam Rides the Bus, The Book That Saved The Earth	Full Syllabus	NA

MT - 2 Pre Board Subjective

Major Test Pre Board Dates: 8 Jan to 15 Feb-25

Date of Reshuffling of Batches : 24.06.2024 | 30.09.2024



# STRONG FOUNDATION LEADS TO LONG-TERM SUCCESS

## All India Rank-1

UPSC (CSE)  
IAS Exam 2018

**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 48<sup>th</sup> IPhO 2017

**PAWAN GOYAL**

**GOLD MEDAL** in 12<sup>th</sup> 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 15<sup>th</sup> IJSO (Stage-1) NSEJS 2018

Study Centre: Kota (PCCP)



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



**TMCA BOOK OF RECORDS**  
for perfect score in JEE (Main) 2017  
**360/360**

**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



**Resonance Eduventures Limited**

Registered & Corporate Office: CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Rajasthan) - 324005

Tel. No.: 0744-2777777, 2777700 | CIN: U80302RJ2007PLC024029

**Toll Free: 1800 258 5555**

[facebook.com/ResonanceEdu](https://facebook.com/ResonanceEdu)

[twitter.com/ResonanceEdu](https://twitter.com/ResonanceEdu)

[www.youtube.com/resowatch](https://www.youtube.com/resowatch)

[blog.resonance.ac.in](https://blog.resonance.ac.in)