

COURSE PLANNER

For Students of
CLASS-9th

PREMIUM PROGRAM



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: 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: 695
- ♦ Duration of one lecture: 50 minutes
- ♦ Total Duration of Classroom Teaching: 579 hrs
- ♦ Total Duration of Testing: 58 hrs
- ♦ Total Academic Hours: 637 hrs

CALL US FOR MORE DETAIL :
0744-2777769 | 8824078330

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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	14
2.	Coordinate geometry	2
3.	Linear equation in two variable	3
4.	Introduction to euclid geometry	3
5.	Lines and angles	9
6.	Congruent triangle	9
7.	Heron's formula	5
8.	Statistics	8
9.	Polynomial	10
10.	Quadrilaterals	10
11.	Area of parallelograms and triangles	7
12.	Circles	10
13.	Constructions	4
14.	Surface area and volume	10
15.	Probability	2
16.	Revision	40
	Total	144

CHEMISTRY

S.No.	Topic Name	No. of Classes
1.	Matter in our surrounding	14
2.	Is matter Around us Pure	26
3.	Atoms & Molecules	20
4.	Structure of Atom	15
5.	Revision	4
	Total	79

PHYSICS

S.No.	Topic Name	No. of Classes
1.	Motion	14
2.	Circular Motion	3
3.	Newton's & Laws of Motion	8
4.	Gravitation	10
5.	Fluid	10
6.	Work, Energy, Power	12
7.	Wave, Motion & Sound	9
8.	Revision	13
	Total	79

ENGLISH

S.No.	Topic Name	No. of Classes
1.	Tense	2
2.	Reading Comprehension	2
3.	"Determiners"	3
4.	"Subject verb agreement"	3
5.	"Story Writing, Paragraph WritingThe Fun they had"	3
6.	"The road not Taken The Lost child"	3
7.	"The Sound of MusicReported speech"	3
8.	"The Adventures of TotoWind"	3
9.	"Iswaran the story tellerThe little girl"	2
10.	"Rain on the roofModals"	3
11.	"ModalsA truly beautiful mind"	3
12.	"The lake Isle of InnisfreeIn the kingdom of fools"	3
13.	"The snake and the mirror"	3
14.	"A Legend of northland"	2
15.	"The Happy Prince"	3
16.	My Childhood	3
17.	"No men are foreign"	2
18.	"The Last Leaf"	2
19.	Reach for the Top	2
20.	"On killing a tree"	2
21.	A house is not a home	3
22.	"Diary Entry"	2
23.	Kathmandu	3
24.	A slumber did my spirit seal	3
25.	"If I were you "	4
26.	The beggar	4
27.	"Revision"	19
	Total	90

BIOLOGY

S.No.	Topic Name	No. of Classes
1.	Cell	15
2.	Tissue	10
3.	Improvement of food resources	9
4.	Biodiversity	20
5.	Why do we fall ill	5
6.	Natural resources	3
7.	Revision	16
	Total	78

SOCIAL SCIENCE		
S.No.	Topic Name	No. of Classes
1.	India – Size and Location	3
2.	The Story of Village Palampur	2
3.	The French Revolution	5
4.	Physical Features of India	7
5.	What is Democracy, Why Democracy?	3
6.	Constitutional Design	4
7.	Socialism in Europe and the Russian Revolution	4
8.	Drainage	3
9.	People as a Resource	3
10.	Nazism and the Rise of Hitler	5
11.	Poverty as a Challenge	3
12.	Electoral Politics	4
13.	Climate	6
14.	Natural Vegetation and Wildlife	2
15.	Working of Institutions	3
16.	Food Security in India	3
17.	Democratic Rights	6
18.	Population	3
19.	Forest Society and Colonialism	3
20.	Pastoralist in the Modern World	4
21.	Map Work Discussion	5
22.	Revision	12
	Total	93

MENTAL ABILITY		
S.No.	Topic Name	No. of Classes
1.	Logical alphabet number	2
2.	Coding-decoding	3
3.	Number series	2
4.	"Series of letters"	2
5.	Missing term in figure	2
6.	"Mathematical operation"	2
7.	Direction sense	2
8.	Seating arrangement	2
9.	Blood relation	2
10.	Puzzle test	1
11.	Venn diagram	2
12.	Syllogism	2
13.	"Day, date and time sequence"	4
14.	Dice test	2
15.	Cube test	2
16.	"Mirror and water image,Paper cutting and folding"	3
17.	Figure partition & counting	1
18.	Nonverbal series	2
19.	Nonverbal analogy	1
20.	Nonverbal classification	3
	Revision	2
	Total	44

School Examination Preparatory (SEP) Sheet: Schedule

S.No.	Test Syllabus					
	Physics	Chemistry	Mathematics	Biology	English	Social Science
1			Number System		Tense Reading Comprehension	India – Size and Location + The Story of Village Palampur
2	Motion	Matter in our Surroundings	Coordinate geometry	Cell	"Determiners" "Subject verb agreement"	Democracy in the Contemporary World + The French Revolution + Socialism in Europe & The Russian Revolution
3	Circular Motion		Linear equation in two variable	Tissue	"Story Writing, Paragraph Writing The Fun they had"	Physical Features of India+ What is Democracy ? Why Democracy ?
4	Newton's Laws of Motion		Introduction to euclid geometry		"The road not Taken The Lost child" "The Sound of Music Reported speech"	People as Resource+Drainage
5		Is Matter around us Pure	Lines and angles	Improvement in food Resources	"The Adventures of TotoWind" "Iswaran the story tellerThe little girl"	Constitutional Design + Nazism and The rise of Hitler
6	Gravitation		Congruent triangle		"Rain on the roofModals" "ModalsA truly beautiful mind"	
7	Fluid		Heron's formula		"The lake Isle of Innisfree In the kingdom of fools"	Poverty as a Challenge
8			Statistics		"The snake and the mirror" "A Legend of northland"	Electoral Politics
9			Polynomial		"The Happy Prince", My Childhood "No men are foreign"	Climate + Natural Vegetation & Wildlife
10	Work Energy Power	Structure of Atom	Quadrilaterals	Bio Diversity	"The Last Leaf" Reach for the Top	Forest Society and Colonialism+Pastoralists in the Modern World+Food Security in India
11			Area of parallelograms and triangles	Why do we fall ill ?	"On killing a tree" A house is not a home	Working of Institutions +Democratic Rights
12			Circles		"Diary Entry" Kathmandu	Peasants and Farmers - The Coming of Modern Agriculture in England + Population
13			Constructions		A slumber did my spirit seal	
14	Wave, Motion & Sound	Atoms and Molecules	Surface area and volume	Natural Resources	"If I were you "	Clothes and A social Culture
15			Probability		The beggar	

HINDI		
S.No.	Topic Name	No. of Classes
1	शब्द और पद	2
2	अनुस्वार और अनुनासिक	2
3	दुख का अधिकार	2
4	उपसर्ग	2
5	प्रत्यय	2
6	एवरेस्ट मेरी शिखर यात्रा	2
7	स्वर संधि	2
8	रैदास के पद	2
9	रहीम -दोहे,	2
10	तुम कब जाओगे अतिथि	2
11	धैर्यात्मिक चेतना के वाहक चन्द्रशेखर वेंकट रामन्	3
12	गिल्लू	2
13	स्मृति	2
14	अग्निपथ	2
15	अनौपचारिक पत्र	2
16	गीत-अगीत	2
17	चित्र-वर्णन	2
18	नए इलाके में	3
19	खुशबू रचते हैं हाथ	2
20	संवाद लेखन	2
21	अनुच्छेद लेखन	2
22	अर्थ की दृष्टि से वाक्य भेद	2
23	विराम चिह्न	3
24	कल्लू कुम्हार की उनाकोटि	3
25	मेरा छोटा सा निजी पुस्तकालय	3
26	शुक्रतारे के समान	4
27	अपठित गद्यांश	4
28	Revision	13
	Total	76

PTSM SCHEDULE

PTSM#1

10

May 2025

PTSM#3

04

october 2025

PTSM#5

07

March 2026

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.25	Goonj (Baal Mela & Science Exhibify)	5th to 10th
10.Jul.25	Guru Purnima Mahotsav	5th to 10th	27.Dec.25	Goonj (Cultural Night)	5th to 10th
08.Aug.25	Raksha Bandan Competition (IH)	5th to 8th	26.Jan.26	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), School Exam Preparatory Pattern Test (SEP), Major Test (MT) Syllabus											
Prep/Exam Test Type & No.	PT Date	Test Type	Physics		Chemistry	Mathematics	Biology	Social Science	English	Mental Ability	Hindi
OPT1 (2 Hr) (Sc,M,SST, E,MAT)	26.04.25	Objective	Motion (Upto speed)		Matter in our Surrounding (upto classification of matter)	Number System (Till Geometric representation of real numbers)	Cell (up to Transportation in membrane)	India – Size and Location, The Story of Village Palampur	Reading Comprehension, Tense	Logical alphabet number, coding-decoding (letter-letter coding, letter-number coding)	NA
OCT1 (2 Hr) (Sc,M,SST, E,MAT)	17.05.25	Objective	Motion (up to Equation of motion)		Matter in our Surrounding (upto Factors Affecting Evaporation)	Number System, Coordinate geometry, Linear Equation in two variables	Cell (upto single membranus organelles)	India – Size and Location, The Story of Village Palampur, The French Revolution, Physical Features of India	Reading Comprehension, Tense, Subject Verb agreement, The Fun they had	Logical alphabet number, coding decoding, number series, series of letters	NA
SEP1 (3 Hr) (Sc. & Eng)	10.07.25	Subjective	Motion, Circular Motion, Force and Laws of Motion (up to types of inertia)		Matter in our surrounding, Is matter around us pure (upto types of solution)	NA	Cell, tissue (upto plant tissue)	NA	Reading Comprehension, Story Writing, Paragraph Writing, Determiners, SVA The road not taken, The lost Child, The Sound of Music	NA	NA
SEP2 (3 Hr) (Maths & SST)	12.07.25	Subjective	NA		NA	Number System, Coordinate geometry, Linear Equation in two variables, Introduction to Euclid's geometry, Lines and Angles	NA	India – Size and Location, The Story of Village Palampur, The French Revolution, Physical Features of India, What is Democracy ? Why Democracy?, Constitutional Design	NA	NA	NA
INSEP1 (2 hr) (Hindi)	26.07.25	Subjective	NA		NA	NA	NA	NA	NA	NA	शब्द पद, अनुस्वार और अल्पसंस्कृत, दृष्ट का अधिकार, सपसर्ग, प्रत्यय, एक्स्टेंड में शिखर यात्रा, स्वर संधि, शैदास के पद, रहीम के दोहे
OPT2 (2 Hr) (Sc,M,SST, E,MAT)	16.08.25	Objective	Motion (from Average Speed), Circular Motion, Force and Laws of Motion, Gravitation (up to Acceleration due to gravity)		Matter in our Surrounding(from Plasma and BEC), Is matter Around us Pure (upto Separation of mixture of solid and liquid)	Coordinate Geometry, Linear Equation in two variables, Introduction to Euclid geometry, Lines and Angles, Congruent triangles	Cell and Tissue	What is Democracy? Why Democracy?, Constitutional Design, Socialism in Europe and the Russian Revolution, Drainage, People as a resource	Reported Speech, The Road not taken, The Little Gift, The Sound of music, The Adventures of TOTO, Reported speech	coding- decoding, number series, Series of letters, Missing term in figure, Mathematical operation, Direction sense, Seating arrangement, Blood Relation, Puzzle test	NA

Academic Planning & Test Grid

Olympiad Pattern Part Test (OPT), Olympiad Pattern Cumulative Test (OCT), School Exam Preparatory Pattern Test (SEP), Major Test (MT) Syllabus										
Periodic Test (PT) Type & No.	PT Date	Test Type	Physics	Chemistry	Mathematics	Biology	Social Science	English	Mental Ability	Hindi
OPT1 (2 Hr) (Sc,M,SST, E,MAT)	11.10.25	Objective	Gravitation (from Value of "g"), Fluid (up to Uses of archimedes principle)	Is matter Around us Pure Atoms and molecules(upto Valency)	Herons formula, Statistics, polynomial (up to division algorithm)	Improvement in food Resources, diversity (upto plant diversity)	Nazism and the Rise of Hitler, Poverty as a Challenge, Electoral Politics, Climate	Reported Speech, In the kingdom of foods, The Happy Prince, The Snake and the Mirror, A Truly beautiful Mind, Modals	Puzzle test, venn diagram, Syllogism, Day, date and time sequence, Dice test	NA
OCT2 (2 Hr) (Sc,M,SST, E,MAT)	08.11.25	Objective	Motion, Circular Motion, Force and Laws of Motion, Gravitation, Fluid, Work, Energy & Power(upto Work energy theorem)	Atoms and molecules(upto Writing the Formula of molecular and Ionic Compounds)	Number System, Coordinate Geometry, Linear Equation in two variables, Introduction to Euclid geometry, Lines and Angles, Congruent triangles, Herons formula, Statistics, Polynomials	Cell, Tissue, Improvement in food Resources, Biodiversity (upto Echinodermata)	India-Size and Location, The Story of Village Palampur, The French Revolution, Physical Features of India, What is Democracy? Why Democracy?, Constitutional Design, Socialism in Europe and Russian Revolution, Drainage, People as a resource, Nazism and the Rise of Hitler, Poverty as a Challenge, Electoral Politics, Climate	Reading Comprehension, Determiners, Reported Speech, Modals, Iswaran the story teller, My Childhood, A Legend of Northland, Modals, Reported speech, Tense, The Last Leaf	Logical alphabet number, coding-decoding, number series, Series of letters, Missing term in figure, Mathematical operations, Division word problems, Analogy, Blood relation, Puzzle test, Venn diagram, Syllogism, Day, date and time sequence, Dice test, Cube test, Mirror and water image	NA
SEP3 (3 Hr) (Sc. & Eng)	04.12.25	Subjective	Fluid, Work, Energy and Power, Wave Motion and Sound (upto Some Definition (Amplitude, Wavelength, Time-period, Frequency)	Matter in our surrounding ,Is matter Around us Pure, Atom and molecule	NA	Improvement in food Resources & Biodiversity	NA	Reading Comprehension, Diary entry, Story writing SVA, Reported Speech, Reach for the top, The Last Leaf, No Men are Foreign, Modals	NA	NA
SEP4 (3 Hr) (Maths & SST)	6.12.25	Subjective	NA	NA	Statistics, Polynomials, Quadrilaterals, Area of parallelogram and triangles	NA	Socialism in Europe and The Russian Revolution, Drainage, Nazism and The rise of Hitler, Poverty as a Challenge, Electoral Politics, Climate, Natural Vegetation and Wildlife, Working of Institutions, Food Security in India	NA	NA	NA
MSEP2 (2 Hr) (Hindi)	20.12.25	Subjective	NA	NA	NA	NA	NA	NA	NA	नए इलाके में, खूबसूरत रसदों हे हाथ, मिलने स्मृति, पत्रा अप्रचित गद्यांश, काव्यांश, गीत—अंगीत शुक्रवार के समान, वैज्ञानिक चेतना के वाहक चन्द्रशेखर ईश्वर राम
OPT4 (2 Hr) (Sc,M,SST, E,MAT)	17.01.26	Objective	Fluid (Laws of flotation) Work, Energy and Power, Wave Motion & Sound	Atoms and molecules, Structure of atom (till Isoelectron)	Polynomials, Quadrilaterals, Area of parallelogram and triangles, Circles	Biodiversity , why do we fall ill	Natural Vegetation and Wildlife, Working of Institutions Food Security in India,	The Last Leaf, Reach for the top, The Snake and the Mirror, A Slumber did my spirit seal, A house is not a home, On Killing a tree, Kathmandu, Tense, SVA, Modals, The Beggar, If I were You	Cube test, Mirror and water image, Paper cutting and folding, Figure partition & counting , Nonverbal series, Nonverbal analogy, Nonverbal classification	NA

MT - 2 Pre Board Subjective

Major Test Term-2 Dates: 10 Feb to 2th March-2026

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

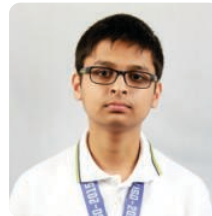
Student of PCCP



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



Resonance Eduventures Limited

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