

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: 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: 918
- ♦ Duration of one lecture: 50 minutes
- ♦ Total Duration of Classroom Teaching: 765 hrs
- ♦ Total Duration of Testing: 65 hrs
- ♦ Total Academic Hours: 830 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

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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	32
	Total	136

CHEMISTRY

S.No.	Topic Name	No. of Classes
1.	Matter in our surrounding	13
2.	Is matter Around us Pure	23
3.	Structure of Atom	13
4.	Atoms & Molecules	20
5.	Revision	8
	Total	77

PHYSICS

S.No.	Topic Name	No. of Classes
1.	Motion	17
2.	Circular Motion	4
3.	Newton's & Laws of Motion	9
4.	Gravitation	10
5.	Fluid	12
6.	Work, Energy, Power	11
7.	Wave, Motion & Sound	11
8.	Revision	5
	Total	79

ENGLISH

S.No.	Topic Name	No. of Classes
1.	Tense	3
2.	Reading Comprehension, Determiners	3
3.	Subject verb agreement	4
4.	Story Writing, Paragraph Writing, The Fun they had	2
5.	The road not taken, The Lost child	3
6.	The sound of music	3
7.	Reported speech, The Adventures of Toto	3
8.	Wind, Iswaran the story teller	4
9.	The little girl, Rain on the roof	2
10.	Modals	4
11.	A truly beautiful mind	2
12.	The lake Isle of Innisfree	2
13.	In the kingdom of fools	2
14.	The snake and the mirror	2
15.	A legend of northland	2
16.	The Happy Prince	3
17.	My Childhood	2
18.	No men are foreign	3
19.	The last leaf	3
20.	Reach for the top	2
21.	On killing a tree	3
22.	A house is not a home	3
23.	Diary Entry	2
24.	Kathmandu	3
25.	A slumber did my spirit seal	3
26.	If I were you	5
27.	The beggar	4
28.	Revision	24
	Total	101

BIOLOGY

S.No.	Topic Name	No. of Classes
1.	Cell	15
2.	Tissue	13
3.	Improvement of food resources	14
4.	Biodiversity	21
5.	Why do we fall ill	4
6.	Natural resources	5
7.	Revision	7
	Total	79

SOCIAL SCIENCE		
S.No.	Topic Name	No. of Classes
1.	India – Size and Location	3
2.	The Story of Village Palampur	3
3.	The French Revolution	6
4.	Physical Features of India	6
5.	Constitutional Design	3
6.	What is Democracy, Why Democracy?	3
7.	Socialism in Europe and the Russian Revolution	3
8.	Drainage	5
9.	People as a Resource	3
10.	Nazism and the Rise of Hitler	4
11.	Poverty as a Challenge	2
12.	Electoral Politics	3
13.	Climate	6
14.	Natural Vegetation and Wildlife	3
15.	Working of Institutions	3
16.	Food Security in India	3
17.	Democratic Rights	3
18.	Population	6
19.	Forest Society and Colonialism	3
20.	Pastoralist in the Modern World	5
21.	Map Work Discussion	5
22.	Revision	19
	Total	100

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"	3
7.	Direction sense	1
8.	Seating arrangement	2
9.	Blood relation	1
10.	Puzzle test	2
11.	Venn diagram	1
12.	Syllogism	3
13.	"Day, date and time sequence"	2
14.	Dice test	2
15.	Cube test	3
16.	"Mirror and water image, Paper cutting and folding"	1
17.	Figure partition & counting	2
18.	Nonverbal series	2
19.	Nonverbal analogy	1
20.	Nonverbal classification	1
	Revision	5
	Total	42

School Examination Preparatory (SEP) Sheet: Schedule

S.No.	Test Syllabus					
	Physics	Chemistry	Mathematics	Biology	English	Social Science
1			Number System		Tense, Reading Comprehension Determiners	India – Size and Location + The Story of Village Palampur
2	Motion	Matter in our Surroundings	Coordinate geometry	Cell	Subject verb agreement, Story Writing, Paragraph Writing, The Fun they had	Democracy in the Contemporary World + The French Revolution + Socialism in Europe & The Russian Revolution
3	Circular Motion		Linear equation in two variable	Tissue	The road not taken, The Lost child The sound of music	Physical Features of India + What is Democracy ? Why Democracy ?
4	Newton's Laws of Motion		Introduction to euclid geometry		Reported speech, The Adventures of Toto Wind, Iswaran the story teller	People as Resource + Drainage
5		Is Matter around us Pure	Lines and angles	Improvement in food Resources	The little girl, Rain on the roof Modals, A truly beautiful mind	Constitutional Design + Nazism and The rise of Hitler
6	Gravitation		Congruent triangle		The lake Isle of Innisfree, In the kingdom of fools, The snake and the mirror	
7	Fluid		Heron's formula		A legend of northland, The Happy Prince, My Childhood	Poverty as a Challenge
8			Statistics		No men are foreign, The last leaf Reach for the top	Electoral Politics
9			Polynomial		On killing a tree	Climate + Natural Vegetation & Wildlife
10	Work Energy Power	Structure of Atom	Quadrilaterals	Bio Diversity	A house is not a home	Forest Society and Colonialism + Pastoralists in the Modern World + Food Security in India
11			Area of parallelograms and triangles	Why do we fall ill ?	Diary Entry	Working of Institutions + Democratic Rights
12			Circles		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	4
2	अनुस्वार और अनुनासिक	3
3	दुख का अधिकार	3
4	उपसर्ग	3
5	प्रत्यय	4
6	एवरेस्ट मेरी शिखर यात्रा	3
7	स्वर संधि	3
8	रैदास के पद	3
9	रहीम -दोहे	3
10	विराम चिह्न	3
11	तुम कब जाओगे अतिथि	4
12	वैज्ञानिक चेतना के वाहक चन्द्रशेखर वेंकट रामन्	5
13	गिल्लू	4
14	अर्थ की दृष्टि से वाक्य भेद	3
15	गीत-अगीत	6
16	अनुच्छेद लेखन	3
17	अनौपचारिक पत्र	3
18	अग्निपथ	3
19	चित्र-वर्णन	2
20	नए इलाके में	3
21	खुशबू रचते हैं हाथ	3
22	संवाद लेखन	4
23	स्मृति	3
24	कल्लू कुम्हार की उनाकोटि	2
25	मेरा छोटा सा निजी पुस्तकालय	5
26	शुक्रतारे के सामान	4
27	अपठित गद्यांश	3
28	Revision	8
	Total	90

SUBJECT WISE REVISION & DOUBT CLASSES		
S.No.	Topic Name	No. of Classes
1.	Physics	29
2.	Chemistry	28
3.	Mathematics	45
4.	Biology	22
5.	Social Science	17
6.	Personality Development	28
7.	English	9
	Total	178

Physical Education		
S.No.	Topic Name	No. of Classes
1.	Health Card & B.M.I. Measure	2
2.	Game and Practice	24
3.	General and Specific Exercise	5
4.	Game Test	2
5.	Physical Fitness Test	2
	Total	35

PTSM SCHEDULE

PTSM#1

04

May 2024

PTSM#3

28

September 2024

PTSM#5

8

March 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
15.04.24	House Meeting	5 to 10
20.04.24	Painting Competition, English Extempore (Inter-house)	5 to 8
18.05.24	Best Out of Waste (Inter-house)	5 to 8
13.07.24	Indoor Sports (TT, Carom, Chess), Science Quiz	5 to 8
20.07.24	Guru Purnima Mahothsav	5 to 10
20.07.24	Science Quiz	9 to 10
15.08.24	Independence Day Celebration	5 to 10
17.08.24	Raksha Bandan Competition	5 to 8
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

Date	Activity	Class
23.11.24	Eng. Vocab Wall (IH)	5 to 8
30.11.24	Picnic	5 to 10
07.12.24	Tug of war + Sack Race + Lemon Race + 3 Legged Race	5 to 8
26.12.24	Goonj (Baal Mela & Science Exhibify)	5 to 10
27.12.24	Goonj (Nobel Day & RGT)	5 to 10
28.12.24	Goonj (Cultural Night)	5 to 10
26.01.25	Republic Day Celebration	5 to 10

* These activities will be used for Scholastic Evaluation.

Academic Planning & Test Grid

Olympiad Pattern Cumulative Test (OCT), School Exam Preparatory Pattern Test (SEP), Major Test (MT) Syllabus										
Period Test (PT) Type & No.	PT Date	Test Type	Physics	Chemistry	Mathematics	Biology	Social Science	English	Mental Ability	Hindi
OCT1 (2 Hr) (Sc,MSST, E,MT)	27.04.24	Objective	Motion (Upto Uniform and Non uniform motion)	Matter in our Surrounding (upto classification of matter)	Number System (Till Geometric representation of real numbers.	Cell (up to membrane) Cell wall & cell	India – Size and Location, The Story of Village Palampur	Reading Comprehension, Tense	Logical alphabet number, coding- decoding(letter-letter coding, letter-number coding)	NA
SEP1 (3 Hr) (Sc. & Eng)	11.05.24	Subjective	Motion (upto Motion under gravity)	Matter in our Surrounding (upto interconversion of states of matter)	NA	Cell (upto mitochondria)	NA	Reading Comprehension, Tense, Subject Verb agreement, Story writing, the fun they had	NA	NA
MSEP1 (1.5 Hr) (Hindi)	29.06.24	Subjective	NA	NA	NA	NA	NA	NA	NA	अनुस्वार और अनुनासिक, शब्द और पद, एकरस मरी शिखर यात्रा, दुख का अधिकार उमरसर्ग, प्रसव
SEP2 (3 Hr Hr) (Maths & SST)	06.07.24	Subjective	NA	NA	Number System, Coordinate geometry, Linear Equation in two variables, Introduction to Euclids geometry	NA	The Story of Village Palampur, The French Revolution, Physical Features of India, Constitutional Design	NA	NA	NA
OCT2 (2 Hr) (Sc,MSST, E,MT)	27.07.24	Objective	Motion, Circular Motion, Force and Laws of Motion	Matter in our surrounding Is matter around us pure(upto types of solution)	Number System, Coordinate geometry, Linear Equation in two variables, Introduction to Euclids geometry, Lines and Angles	Cell, Tissue (upto epithelial tissue)	What is Democracy? Why Democracy?, People as a Resource, Constitutional Design	Reading Comprehension, Determiners, The road not taken, The Lost Child	Logical alphabet number, coding- decoding, number series, Series of letters	NA
SEP3 (3 Hr) (Sc. & Eng)	10.08.24	Subjective	Motion, Circular Motion, Force and Laws of Motion, Gravitation (upto Galileo observation on falling object)	Matter in our Surrounding Is matter Around us Pure (upto Separation techniques)	NA	Cell and Tissue	NA	Reading Comprehension, (Story writing, Paragraph writing), Tense, Reported Speech, The Road not taken, The Lost Child, The Sound of music, The Adventures of Toto	NA	NA
SEP4 (3 Hr) (Maths & SST)	24.08.24	Subjective	NA	NA	Lines and Angles, Congruent Triangles, Herons formula	NA	Physical Features of India, What is Democracy? Why Democracy?, People as a resource, Constitutional Design	NA	NA	NA

Academic Planning & Test Grid

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
OCT3 (2 Hr) (Sc, M, SST, E, MAT)	05.10.24	Objective	Motion, Circular Motion, Force and Laws of Motion, Gravitation, Fluid (upto Relative density or specific gravity)	Is matter around us Pure Atoms and molecules (upto ionic compound)	Number System, Coordinate Geometry, Linear Equation in two variables, Introduction to Euclid geometry, Lines and Angles, Congruent triangles, Herons formula, Statistics	Improvement in food Resources, Biodiversity (upto classification of organisms).	What is Democracy? Why Democracy? People as Resource, Drainage, Constitutional Design, Nazism and the rise of Hitler, Poverty as a Challenge	Reading Comprehension, Tense, Reported Speech, In the kingdom of fools	Logical alphabet number, coding- decoding, number series, Series of letters, Missing term in figure, Mathematical operation, Direction sense, Seating arrangement, Blood relation, Puzzle test	NA
SEP5 (3 Hr) (Sc. & Eng)	19.10.24	Subjective	Gravitation, Fluid, Work, Energy & Power (Upto Work done)	Is matter around us pure (from physical and chemical change) Atoms and molecules (upto Atomic mass, Molecular mass, Formula mass and Fractional Atomic mass)	NA	Improvement in food Resources, Biodiversity (upto level of organisation)	NA	Reading Comprehension, Determiners, Reported Speech, Modals, Story writing, Paragraph writing, Iswaran the story teller, A legend of Northland, The happy prince	NA	
MSEP3 (1.5 Hr) (Hindi)	16.11.24	Subjective	NA	NA	NA	NA	NA	NA	NA	गीत—अगीत, स्वर सँधि, सँधेम के सोहे, विराम चिह्न, सारसर्ग, अरव्य, पत्रा लेखन, अनुसूचक
SEP6 (Maths & SST)	23.11.24	Subjective	NA	NA	Herons Formula, Statistics, Polynomials, Quadrilaterals	NA	Drainage, Constitutional Design, Nazism and The rise of Hitler, Poverty as a Challenge, Electoral Politics, Climate	NA	NA	NA
OCT4 (2 Hr) (Sc, M, SST, E, MAT)	14.12.24	Objective	Motion, Circular Motion, Force and Laws of Motion, Gravitation, Fluid, Work, Energy and Power, Wave Motion and Sound (upto Factors affecting the speed of sound)	Matter in our surrounding, Is matter Around us Pure, Atom and molecule	Number System, Coordinate Geometry, Linear Equation in two variables, Introduction to Euclid geometry, Lines and Angles, Congruent triangles, Herons formula, Statistics, Polynomials, Quadrilaterals, Area of parallelogram and triangles, Circles, Constructions	Improvement in food Resources, Biodiversity	People as Resource, Drainage, Constitutional Design, Nazism and The rise of Hitler, Poverty as a Challenge, Electoral Politics, Climate, Natural vegetation and wildlife	Reading Comprehension, SYA, Reported Speech, Reach for the top, On Killing a Tree	Logical alphabet number, coding- decoding, number series, Series of letters, Missing term in figure, Mathematical operation, Direction sense, Seating arrangement, Blood relation, Puzzle test, Item diagram, Synonym, Day date and time sequence, Dice test, Cube test, Mirror and water image, Paper cutting and folding, Figure partition & counting	NA
SEP7 (3 Hr) (Sc. & Eng)	11.01.25	Subjective	Fluid, Work, Energy and Power, Wave Motion & Sound	Atoms and molecules, Structure of atom (till Bohr's atomic model)	NA	Improvement in food resource, biodiversity, why do we fall ill	NA	Reading Comprehension, The Last Leaf, Reach for the top, The Snake and the Mirror, A Slumber did my spirit seal, Writing section (Paragraph writing, Diary entry), A house is not a home, On Killing a tree, kahmandu, Tense, SYA, Modals	NA	NA
SEP8 (Maths & SST)	01.02.25	Subjective	NA	NA	Number System, Coordinate Geometry, Linear Equation in two variables, Introduction to Euclid geometry, Lines and Angles, Congruent triangles, Herons formula, Statistics, Polynomials, Quadrilaterals, Area of parallelogram and triangles, Circles, Constructions	NA	Nazism and The rise of Hitler, Poverty as a Challenge, Electoral Politics, Climate, Natural Vegetation and Wildlife, Working of Institutions, Food Security, Population	NA	NA	NA

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 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



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)

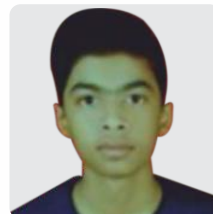
AIR-163 (GEN)
JEE (Advanced)-2013



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

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