

Olympiad Pattern Part Test (OPT), Olympiad Pattern Cumulative Test (OCT), School Exam Preparatory Pattern Test (SEP), Open Test (OT) Syllabus									
Periodic Test Type and No.	Periodic Test Date	Test Type	Physics	Chemistry	Mathematics	Biology	Social Science	English	Mental Ability
OPT-1 (2 Hr)	02.05.2021	Objective	Motion and Measurement of Distance (upto measurement of volume)	Matter & its Segregation (Matter & its Segregation, Sublimation)	Knowing our numbers (upto estimation)	Getting to know plants (Till Stem characteristics)	What, Where, How & when The Earth in the Solar system	Parts of speech, Reading Comprehension	playing alphabet, number game
OCT-1 (2 Hr)	16.05.2021	Objective	Motion and Measurement of Distance	Matter & its Segregation (till centrifugation, separating funnel)	Knowing our Numbers, Whole Numbers (upto properties of division)	Getting to know plants (till function of leaf)	Understanding Diversity, The Earliest Societies	Parts of speech, Reading Comprehension, The Sentence	playing alphabet, number game, alphabet game, magical figure
SEP-1 (3 Hr)	04.07.2021	Subjective (Maths & SST)	NA	NA	Knowing our Numbers, Whole Numbers, Playing with numbers	NA	What, Where, How and When, The Earth in the Solar system, Understanding Diversity and Discrimination, From Gathering to Growing Food, Globe- A Model of Earth (Latitudes and Longitudes), What is government?	NA	NA
SEP-2 (3 Hr)	25.07.2021	Subjective (Sc. & Eng)	Motion and Measurement of Distance, Force, work & Energy, Simple Machine (Upto class 3 lever)	Matter & its Segregation, Materials of daily use: Clothes	Whole Numbers, Playing with numbers, Integers, Fractions	Getting to know plants, Food (till balanced diet)	What is government?, The First Cities: Harappan Civilisation, Motions of the Earth, Key elements of a democratic government	Reading Comprehension, Noun, Pronoun, Verb, Adjective	NA
OCT-2 (2 Hr)	08.08.2021	Objective	Motion and Measurement of Distance (upto measurement of Force, work & Energy, Simple Machine, Electricity (Upto electrical cell))	Matter & its Segregation (From, Loading to daily use: Clothes, Classification & Diversity in Matter (till Solubility))	Knowing our Numbers Whole Numbers, Playing with numbers, Integers, Fractions, Decimals, Introduction to Algebra	Getting to know plants, Food, living organisms & their surroundings (till adaptation in forest)	What is government?, The First Cities: Harappan Civilisation, Motions of the Earth, Key elements of a democratic government, Major domains of the Earth and Relief features	Reading Comprehension, Noun, Pronoun, Adjective, Verb	alphabet game, magical figure, problem of signs, mysterious words, follow the path, magic, mysterious similarity, get the fish out of the water
OCT-2 (2 Hr)	05.09.2021	Objective	Motion and Measurement of Distance, Force, work & Energy, Simple Machine, Electricity (Upto electric torch)	Matter & its Segregation, Materials of daily use: Clothes, Classification & Diversity in Matter (complete)	Knowing our Numbers Whole Numbers, Playing with numbers, Integers, Fractions, Decimals, Introduction to Algebra	Getting to know plants, Food, living organisms & their surroundings (till adaptation in forest)	What is government?, The First Cities: Harappan Civilisation, Motions of the Earth, Key elements of a democratic government	Reading Comprehension, Noun, Pronoun, Adjective, Verb	alphabet game, magical figure, problem of signs, mysterious words, follow the path, magic, mysterious similarity, get the fish out of the water
<b>Major Test Dates : 8th to 18th Sep 2021</b>									
MT-1		Subjective	Electricity and circuit: Light Shadows and Reflection (Upto Characteristics of Light)	Classification & Diversity in Matter (From texture to complete), World of changes (till physical and chemical changes)	Fractions, Decimals, Introduction to Algebra, Ratio & proportion	Living organisms and their surroundings (from excretion till complete)	Rural Administration (Panchayati Raj), Kingdoms, Kings & Early Republics, India: Our Country	Idioms and Phrases (1-25), Active and Passive Voice, Subject verb agreement	Figure chain, figure similarity, Day after tomorrow, look at the mirror
OPT-3 (2 Hr)	24.10.2021	Objective	Reflection	Classification & Diversity in Matter (World of changes)	Fractions, Decimals, Introduction to Algebra, Ratio & proportion	Living organisms and their surroundings (from excretion till complete)	Rural Administration (Panchayati Raj), Kingdoms, Kings & Early Republics, India: Our Country	Idioms and Phrases (1-25), Active and Passive Voice, Subject verb agreement	Figure chain, figure similarity, Day after tomorrow, look at the mirror
OCT-3 (2 Hr)	21.11.2021	Objective	Motion and Measurement of Distance, Force, work & Energy, Simple Machine, Electricity, Light Shadows and Reflection (Upto shadow)	Matter & its Segregation, Materials of daily use: Clothes, Classification & Diversity in Matter, World of changes	Knowing our Numbers, Whole Numbers, Integers, Fractions, Decimals, Introduction to Algebra, Ratio & proportion, Basic geometrical ideas	living organisms & their surroundings, body movements in animals (till birds)	Kingdoms, Kings and Early Republics India: Our Country, Urban Local Self Govt, Rural Administration (Panchayati Raj)	Reading Comprehension, Subject Verb Agreement, Modals	playing alphabet, number game, alphabet game, magical figure, problem of signs, mysterious words, follow the path, magic, mysterious similarity, get the fish out of the water, figure chain, figure similarity, Day after tomorrow, look at the mirror, mixture
SEP-3 (3 Hr)	05.12.2021	Subjective (Maths & SST)	NA	NA	Decimals, Introduction to Algebra, Ratio & proportion, Basic geometrical ideas, Understanding elementary shapes, Symmetry	NA	New Questions and Ideas Upanishads, Jainism and Buddhism, India: Climate The First Empire Ashoka The Great	NA	NA
SEP-4 (3 Hr)	19.12.2021	Subjective (Sc. & Eng)	Simple Machine (From Pulley, Wheel and axle), Electricity, Light Shadows and Reflection, Fun with magnet (till electromagnet)	Classification & Diversity in Matter, World of changes	NA	Food ( balanced diet, deficiency diseases), Living organism and their surroundings, Body movements (till Joints)	India: Climate, The First Empire Ashoka The Great, India: Natural Vegetation and Wildlife, Rural and Urban Livelihoods, Life in towns and villages	Reading Comprehension, Active and Passive Voice, Subject Verb Agreement, Letter and Application writing, Punctuations	Day after tomorrow, look at the mirror, mixture
OPT-4 (2 Hr)	09.01.2022	Objective	Reflection (From Characteristics of Light), Fun with magnet	World of Changes, Importance of Air	Basic geometrical ideas, Understanding elementary shapes, Symmetry, Practical geometry, Mensuration	Body movements, Garbage in garbage out (till type of waste)	NA	Punctuations Conjunctions Phrasal Verbs (all), Preposition, Question Tags	Day after tomorrow, look at the mirror, mixture
OT-1 (2 Hr)	23.01.2022	Objective	Light Shadows and Reflection, Fun with magnet, universe	World of changes, Importance of air, Elxir of life-water	Ratio & proportion, Basic geometrical ideas, Understanding elementary shapes, Symmetry, Practical geometry, Mensuration	living organisms & their surroundings, Body Movements, Garbage in garbage out (till 4R principle)	NA	NA	Similarly get the fish out of the water, figure chain figure similarity, Day after tomorrow, look at the mirror, mixture
OT-2 (2 Hr)	06.02.2022	Objective	Motion and Measurement of Distance, Force, work & Energy, Simple Machine, Electricity, Light Shadows and Reflection, Fun with magnet, universe	Matter & its Segregation, Materials of daily use: Clothes, Classification & Diversity in Matter, World of changes, Importance of air, Elxir of life-water	Knowing our Numbers Whole Numbers, Playing with numbers, Integers, Fractions, Decimals, Introduction to Algebra, Ratio & proportion, Basic geometrical ideas, Understanding elementary shapes, Symmetry, Practical geometry, Mensuration, Data handling	Getting to know plants, Food, living organisms and their surroundings, body movements, garbage in garbage out	NA	NA	playing alphabet, number game, alphabet game, magical figure, problem of signs, mysterious words, follow the path, magic, mysterious similarity, get the fish out of the water, figure chain figure similarity, Day after tomorrow, look at the mirror, mixture
MT-2		Subjective							

Major Test Dates: 10th Feb to 19th Feb  
Date of Reshuffling of Batches: 14.06.2021 | 27.09.2021



## COURSE PLANNER

**CLASS**  
**6**  
Medium: **English**

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

**REGULAR PROGRAM** ▶ Academic Session: 2021-2022  
**Course Commencement: 05.04.2021 | Course Ends: 19.02.2022**

- ### 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: 440
  - Duration of one lecture: 50 minutes
  - Total Duration of Classroom Teaching: 367 hrs
  - Total Duration of Testing: 54 hrs
  - Total Academic Hours: 421 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 2021-22. The institute reserves the right to make changes in it in the interest of students.

- ### HOLIDAYS / VACATIONS
- Resonance Foundation Day: 11<sup>th</sup> April 2021 | 2. Summer Break: 31<sup>st</sup> May to 13<sup>th</sup> June 2021 |
  - Independence Day: 15<sup>th</sup> August, 2021 | 4. Raksha Bandhan: 22<sup>nd</sup> August, 2021 | 5. Anant Chaturdashi: 19<sup>th</sup> September, 2021 | 6. Dussehra: 15<sup>th</sup> October, 2021 | 7. Deepawali Holidays: 1<sup>st</sup> to 07<sup>th</sup> November, 2021 | 8. Winter Break: 20<sup>th</sup> to 26<sup>th</sup> December, 2021 | 9. Makar Sankranti: 14<sup>th</sup> January 2022 |
  - Republic Day: 26<sup>th</sup> January, 2022: (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: 29<sup>th</sup> May, 2021 | 04<sup>th</sup> September, 2021 | 27<sup>th</sup> November, 2021 | 22<sup>nd</sup> January, 2022  
**CALL: 0744-277769 | SMS: RESO PCCP at 56677**  
**PCCP Head Office:** CG TOWER-2, Plot No. A-51 (A), IPIA, Behind 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.	Knowing our Numbers	10
2.	Whole Numbers	6
3.	Playing with numbers	12
4.	Integers	6
5.	Fractions	8
6.	Decimals	6
7.	Introduction to Algebra	6
8.	Ratio & proportion	10
9.	Basic geometrical ideas	7
10.	Understanding elementary shapes	7
11.	Symmetry	5
12.	Practical geometry	4
13.	Mensuration	9
14.	Data handling	9
15.	Revision	5
<b>Total</b>		<b>110</b>

## CHEMISTRY

S.No.	Topic Name	No. of Classes
1.	Matter & its Segregation	10
2.	Materials of daily use: Clothes	8
3.	Classification & Diversity In Matter	8
4.	World of Changes	11
5.	Importance of Air	5
6.	Elixir of Life - Water	7
7.	Revision	7
<b>Total</b>		<b>56</b>

## SOCIAL SCIENCE

S.No.	Topic Name	No. of Classes
1	"What, Where, How and When"	2
2	"The Earth in the solar system"	4
3	Understanding diversity	1
4	The Earliest Societies	3
5	Maps; How they help us	2
6	Diversity and Discrimination	2
7	From gathering to growing food	3
8	"Globe- A Model of Earth ( Latitudes and Longitudes)"	2
9	What is government?	2
10	"The First Cities: Harappan Civilisation"	3
11	Motions of the Earth	2
12	Key elements of a democratic government	3
13	Different ways of living	3
14	Major domains of the Earth and Relief features	4
15	"Rural Administration ( Panchayati Raj)"	4
16	"Kingdoms, Kings and Early republics"	3
17	India: Our Country	1
18	"Urban Local-Self Government"	3
19	New Questions and Ideas Upanishads, Jainism and Buddhism	5
20	India: Climate	2
21	"The First Empire Ashoka The Great"	3
22	"India : Natural Vegetation and Wildlife"	2
23	"Rural and Urban Livelihoods"	2
24	Life in towns and villages	3
25	Traders, Kings and Pilgrims and contact with distant lands	2
26	The New Empire and Kingdoms	4
27	Buildings, Paintings and Books	2
<b>Total</b>		<b>72</b>

## PHYSICS

S.No.	Topic Name	No. of Classes
1.	Motion and Measurement of Distance	7
2.	Force, work & Energy	7
3.	Simple Machine	6
4.	Electricity and circuit	9
5.	Light Shadows and Reflection	11
6.	Fun with magnet	10
7.	Universe	6
<b>Total</b>		<b>56</b>

## ENGLISH

S.No.	Topic Name	No. of Classes
1	Parts of Speech	2
2	Reading Comprehension	1
3	The Sentence	2
4	Noun	3
5	One Word Substitution	1
6	Pronoun	2
7	Articles	2
8	Verb	2
9	Synonyms and Antonyms	1
10	Message and Notice Writing	2
11	Adjective	3
12	Story Writing	1
13	Adverb	2
14	Tense	3
15	Question Tags, Idioms and Phrases	2
16	Active and Passive Voice	2
17	Subject Verb Agreement	3
18	Modals	2
19	Direct and Indirect Speech	2
20	"Letter Writing", Application writing	2
21	Punctuations	1
22	Conjunctions	2
23	Phrasal Verbs	3
24	Preposition	3
25	Irregular Verbs	2
26	Homophones, Spoken English Activity	4
27	Revision	3
<b>Total</b>		<b>58</b>

## BIOLOGY

S.No.	Topic Name	No. of Classes
1.	Getting to know plants	10
2.	Food	10
3.	Living organisms and their surroundings	10
4.	Body movements	12
5.	Garbage in garbage out	12
6.	Revision	1
<b>Total</b>		<b>55</b>

## MENTAL ABILITY

S.No.	Topic Name	No. of Classes
1	Playing Alphabet	1
2	Number Game	1
3	Alphabet Game	1
4	Magical Figure	2
5	Problem of Signs	2
6	Mysterious Words	2
7	Follow the path	1
8	Magic Mystery	3
9	Similarity	1
10	Get the fish out of the water	1
11	Figure Chain	1
12	Figure Similarity	1
13	Day after tomorrow	3
14	look at the mirror	1
15	Mixture	6
<b>Total</b>		<b>35</b>

## School Examination Preparatory (SEP) Sheet: Schedule

S.No.	Solve Date	Check Date	Test Syllabus					
			Physics	Chemistry	Mathematics	Biology	English	Social Science
1	5/4 to 27/4	29/4 to 4/5	Motion and Measurement of Distance		Knowing our Numbers		Parts of Speech, Noun	"When, Where and How + Understanding diversity"
2	29/4 to 18/5	20/5 to 25/5		Matter & its Segregation	Whole Numbers		Reading Comprehension, The Sentence	The Earth in the solar system+ The Earliest Societies + Diversity and discrimination
3	20/5 to 29/6	1/7 to 6/7	Force, work & Energy		Playing with numbers	Getting to know plants	One Word Substitution, Pronoun	Maps: How they help us + From gathering to growing food
4	1/7 to 13/7	29/7 to 3/8	Simple Machine				Verb, Synonyms and Antonyms	Globe- A Model of Earth (Latitudes and Longitudes)+ The First Cities: Harappan Civilisation
5	15/7 to 3/8	26/7 to 31/8		Materials of daily use: Clothes	Fractions		Articles, Message and Notice Writing	What is government? + Motions of the Earth+ Different ways of living
6	5/8 to 24/8	14/10 to 19/10	Electricity and circuit	Classification & Diversity In Matter	Decimals		Adjective, Story Writing	"Key elements of a democratic government. + Major domains of the Earth and Relief features"
7	26/8 to 7/9	4/11 to 9/11				Introduction to Algebra	Adverb, Tense	Rural Administration (Panchayati Raj)
8	9/9 to 12/10	14/10 to 19/10			Ratio & proportion		Idioms & Phrases, Active & Passive Voice	Kingdoms, Kings and Early republics
9	14/10 to 2/11	4/11 to 9/11		World of Changes	Basic geometrical ideas		Direct & Indirect Speech,	India: Our Country + New Questions and Ideas Upanishads, Jainism and Buddhism
10	4/11 to 30/11	16/12 to 21/12	Light Shadows & Reflection		Understanding Elementary Shapes	Living organism & their surroundings	Modals,"Letter Writing",Application writing	Urban local self government+ India: Climate+India's Natural Vegetation & Wildlife
11	2/12 to 7/12	13/1 to 18/1		Importance of Air	Symmetry		Subject Verb Agreement, Punctuation	The First Empire Ashoka The Great + Rural and Urban Livelihoods
12	9/12 to 14/12	16/12 to 21/12	Fun with magnet		Practical geometry	Body movement	Conjunctions, Phrasal Verbs	Life in towns and villages + The New Empire and Kingdoms
13	16/12 to 11/1	13/1 to 18/1		Elixir of Life - Water	Mensuration		Preposition, Question tags	
14	13/1 to 1/2	3/2 to 8/2	Universe		Data handling	Garbage in garbage out	Homophones, Irregular Verbs	Traders, Kings and Pilgrims + Buildings, Paintings and Books