

# Academic Planning & Test Grid

Period Type & No.	Olympiad Pattern Part Test (OPT), Olympiad Pattern Cumulative Test (OCT), School Exam Preparatory Pattern Test (SEP), Open Test (OT) Syllabus			
	Physics	Chemistry	Mathematics	Biology
OPT-1	Motion and Measurement of Distance (upto rest and motion are relative terms)	Matter & its Segregation (till sedimentation and decantation)	Knowing our numbers (upto estimation)	Getting to know plants (Till function of root)
OCT-1	Motion and Measurement of Distance (Complete), Force, work & Energy (till effect of force)	Matter & its Segregation	Knowing our Numbers, Whole Numbers (upto properties of division)	Getting to know plants ( till modifications of leaf)
SEP-1	NA	NA	Knowing our Numbers, Whole Numbers, Playing with numbers	NA
SEP-2	Motion and Measurement of Distance, Force, work & Energy, Simple Machine (Upto Class-3 lever)	Matter & its Segregation, Materials of daily use: Clothes	NA	Getting to know plants, Food- till components of food
OPT-2	Motion and Measurement of Distance (from Types of motion), Force, work & Energy, Simple Machine	Matter & its Segregation (From Loading to complete), Materials of daily use: Clothes, Classification & Diversity in Matter (till Solubility)	Whole Numbers, Playing with numbers, Integers, Fractions	Getting to know plants- (Stem leaf, flower) & Food
OCT-2	Motion and Measurement of Distance, Force, work & Energy, Simple Machine, Electricity (Upto electric bulb)	Matter & its Segregation, Materials of daily use: Clothes, Classification & Diversity in Matter	Knowing our Numbers Whole Numbers, Playing with numbers, Integers, Fractions, Decimals	Getting to know plants, Food, living organisms till adaptation

Major Test Dates: 10 <sup>th</sup> to 30 <sup>th</sup> September 2018 - Syllabus (Term -1)				
Subjective	Objective	Subjective	Objective	Subjective
OPT-3	Electricity (complete), Light Shadows and Reflection (upto nature of objects)	Classification & Diversity in Matter (From Texture to World of changes) (till physical and chemical changes)	Decimals, Introduction to Algebra, Ratio & proportion (upto Dividing a whole in a given ratio)	Living organisms and their surroundings (till adaptations in polar region)
OCT-3	Motion and Measurement of Distance, Force, work & Energy, Simple Machine, Electricity, Light Shadows and Reflection (Upto Characteristics of Light)	Matter & its Segregation, Materials of daily use: Clothes, Classification & Diversity in Matter, World of changes	Knowing our Numbers, Whole Numbers, Playing with numbers, Integers, Fractions, Decimals, Introduction to Algebra, Ratio & proportion, Basic geometrical ideas (upto collinear points, concurrent lines)	Getting to know plants, Food, Living organism and their surroundings
SEP-3	NA	NA	Integers, Fractions, Decimals, Introduction to Algebra, Ratio & proportion, Basic geometrical ideas	NA
SEP-4	Simple Machine (from Pulley, Wheel and axle), Electricity, Light Shadows and Reflection	Classification & Diversity in Matter, World of changes	NA	Food (from balanced diet), Living organism and their surroundings, Body movements from cockroaches till joints
OPT-4	Motion and Measurement of Distance, Force, work & Energy, Simple Machine, Electricity and circuit	Matter & its Segregation, Materials of daily use: Clothes, Classification & Diversity in Matter	Knowing our Numbers Whole Numbers, Playing with numbers, Integers, Fractions, Decimals, Introduction to Algebra	Getting to know plants, food, living organism till adaptation
OT-1	Light Shadows and Reflection, Fun with magnet	World of changes, Importance of air, Elixir of life-water	Ratio & proportion, Basic geometrical ideas, Understanding elementary shapes, Symmetry, Practical geometry, Mensuration, Data handling	Body Movements & Garbage in garbage out till recycling of waste
OT-2	Subjective (Sc. & Eng)	Full Syllabus	Full Syllabus	Full Syllabus

Major Test Dates: 20 <sup>th</sup> February to 10 <sup>th</sup> March 2019 - Syllabus (Term -2)				
Subjective	Objective	Subjective	Objective	Subjective
OPT-5	Figure chain figure similarity, Day after tomorrow, look at the mirror	Percutations, Idioms and Phrases (1-25), Active and Passive Voice	Rural Administration Kingdoms, Kings and Early republics	Figure chain figure similarity, Day after tomorrow, look at the mirror
OCT-5	Playing alphabet, number game, alphabet game, magical figure, problem of signs, mysterious words, magical figure, problem of signs, mysterious words, follow the path, magic mystery, water figure chain figure similarity (Day after tomorrow, look at the mirror, mixture picture, boat)	One Word Substitution, Subject Verb Agreement, The Sentence, Active and Passive Voice	Rural Administration Kingdoms, Kings and Early Republics India: Our Country Urban Local Self Govt.	Playing alphabet, number game, alphabet game, magical figure, problem of signs, mysterious words, follow the path, magic mystery, water figure chain figure similarity (Day after tomorrow, look at the mirror, mixture picture, boat)
SEP-5	NA	NA	Urban Local Self Govt. New Questions and Ideas Upanishads, Jainism and Buddhism	NA
SEP-6	Letter and Application writing, Models Story, Speech, Synonyms and Antonyms	NA	NA	Letter and Application writing, Models Story, Speech, Synonyms and Antonyms
OPT-6	Playing alphabet, number game, number game, alphabet game, magical figure, problem of signs, mysterious words, follow the path, magic mystery, water figure chain figure similarity	NA	NA	Playing alphabet, number game, number game, alphabet game, magical figure, problem of signs, mysterious words, follow the path, magic mystery, water figure chain figure similarity
OT-6	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus

Date of Reshuffling of Batches: 25.06.2018 | 01.10.2018

**Resonance**<sup>®</sup>  
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Pre-foundation Career Care Programmes (PCCP) Division

## COURSE PLANNER

For Students of  
**CLASS-VI**

**REGULAR PROGRAM** | Academic Session: 2018-2019



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.

**Course Commencement: 02.04.2018 | Course Ends: 16.02.2019**

### 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 2018-19. The institute reserves the right to make changes in it in the interest of students.

### TOTAL ACADEMIC HOURS

- ♦ **Course Duration:** 46 Weeks
- ♦ **Total Number of Lectures:** 448
- ♦ **Duration of one lecture:** 55 minutes
- ♦ **Total Duration of Classroom Teaching:** 410 hrs
- ♦ **Total Duration of Testing:** 42 hrs
- ♦ **Total Academic Hours:** 452 hrs

### HOLIDAYS / VACATIONS

- 1. Resonance Foundation Day:** 11<sup>th</sup> April 2018 | **2. Summer Break:** 10<sup>th</sup> to 24<sup>th</sup> June 2018 |
- 3. Independence Day:** 15<sup>th</sup> August, 2018 | **4. Raksha Bandhan:** 26<sup>th</sup> August, 2018 | **5. Anant Chaturdashi:** 23<sup>rd</sup> September, 2018 | **6. Dussehra:** 19<sup>th</sup> October, 2018 | **7. Deepawali Holidays:** 04<sup>th</sup> to 11<sup>th</sup> November, 2018 | **8. Winter Break:** 23<sup>rd</sup> to 31<sup>st</sup> December, 2018 | **9. Makar Sankranti:** 14<sup>th</sup> January 2019 | **10. Republic Day:** 26<sup>th</sup> January, 2019: (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:** 26<sup>th</sup> May, 2018 | 01<sup>st</sup> September, 2018 | 01<sup>st</sup> December, 2018 | 02<sup>nd</sup> February, 2019

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# 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	6
6.	Decimals	8
7.	Introduction to Algebra	6
8.	Ratio & proportion	7
9.	Basic geometrical ideas	6
10.	Understanding elementary shapes	9
11.	Symmetry	3
12.	Practical geometry	5
13.	Mensuration	8
14.	Data handling	8
15.	Revision	6
<b>Total</b>		<b>106</b>

## CHEMISTRY

S.No.	Topic Name	No. of Classes
1.	Matter & its Segregation	10
2.	Materials of daily use: Clothes	6
3.	Classification & Diversity In Matter	10
4.	World of Changes	7
5.	Importance of Air	7
6.	Elixir of Life - Water	6
7.	Revision	5
<b>Total</b>		<b>51</b>

## SOCIAL SCIENCE

S.No.	Topic Name	No. of Classes
1	"What, Where, How and When"	2
2	"The Earth in the solar system"	3
3	Understanding diversity	2
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"	4
11	Motions of the Earth	3
12	Key elements of a democratic government	2
13	Different ways of living	2
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	3
18	"Urban Local-Self Government"	2
19	New Questions and Ideas Upanishads, Jainism and Buddhism	4
20	India: Climate	2
21	"The First Empire Ashoka The Great"	3
22	"India : Natural Vegetation and Wildlife"	2
23	"Rural and Urban Livelihoods"	3
24	Life in towns and villages	3
25	Traders, Kings and Pilgrims	3
26	The New Empire and Kingdoms	3
27	Buildings, Paintings and Books	4
<b>Total</b>		<b>75</b>

## PHYSICS

S.No.	Topic Name	No. of Classes
1.	Motion and Measurement of Distance	8
2.	Force, work & Energy	9
3.	Simple Machine	8
4.	Electricity and circuit	9
5.	Light Shadows and Reflection	14
6.	Fun with magnet	11
7.	Universe	4
<b>Total</b>		<b>63</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	Application writing	1
16	Spoken English Activity Idioms and Phrases	2
17	Active and Passive Voice	2
18	Punctuations	1
19	Subject Verb Agreement	3
20	Direct and Indirect Speech	3
21	Modals	3
22	"Letter Writing"	1
23	Question Tags	2
24	Conjunctions	3
25	Phrasal Verbs	1
26	Spoken English Activity	1
27	Preposition	3
28	Homophones	2
29	Irregular Verbs, Spoken English Activity	3
30	Revision	8
<b>Total</b>		<b>64</b>

## BIOLOGY

S.No.	Topic Name	No. of Classes
1.	Getting to know plants	13
2.	Food	13
3.	Living organisms and their surroundings	13
4.	Body movements	16
5.	Garbage in garbage out	7
6.	Revision	4
<b>Total</b>		<b>66</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	2
9	Similarity	1
10	Get the fish out of the water	1
11	Figure Chain	1
12	Figure Similarity	1
13	Day after tomorrow	2
14	look at the mirror	1
15	Mixture	4
<b>Total</b>		<b>23</b>

## School Examination Preparatory (SEP) Sheet: Schedule

S.No.	Solve Date	Check Date	Test Syllabus					
			Physics	Chemistry	Mathematics	Biology	English	Social Science
1	2/4 to 28/4	30/4 to 5/5	Motion and Measurement of Distance		Knowing our Numbers		Parts of Speech, Noun	"When, Where and How + Understanding diversity"
2	30/4 to 19/5	21/5 to 26/5		Matter & its Segregation	Whole Numbers		Reading Comprehension, The Sentence	The Earth in the solar system+ The Earliest Societies + Diversity and discrimination
3	21/5 to 30/6	2/7 to 7/7	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	2/7 to 14/7	30/7 to 4/8	Simple Machine				Verb, Synonyms and Antonyms	Globe- A Model of Earth (Latitudes and Longitudes)+ The First Cities: Harappan Civilisation
5	16/7 to 4/8	27/7 to 1/9		Materials of daily use: Clothes	Fractions		Articles, Message and Notice Writing	What is government? + Motions of the Earth+ Different ways of living
6	6/8 to 25/8	15/10 to 20/10	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	27/8 to 8/9	5/11 to 10/11			Introduction to Algebra	Food	Adverb, Application writing	Rural Administration (Panchayati Raj)
8	10/9 to 13/10	15/10 to 20/10			Ratio & proportion		Idioms & Phrases, Active & Passive Voice	Kingdoms, Kings and Early republics
9	15/10 to 3/11	5/11 to 10/11		World of Changes	Basic geometrical ideas		Tense, Punctuation Direct & Indirect Speech,	India: Our Country + New Questions and Ideas Upanishads, Jainism and Buddhism
10	5/11 to 1/12	17/12 to 22/12	Light Shadows & Reflection		Understanding Elementary Shapes	Living organism & their surroundings	Modals, "Letter Writing"	Urban local self government+ India: Climate+ India's Natural Vegetation & Wildlife
11	3/12 to 8/12	14/1 to 19/1		Importance of Air	Symmetry		Subject Verb Agreement, Question Tags	The First Empire Ashoka The Great + Rural and Urban Livelihoods
12	10/12 to 15/12	17/12 to 22/12	Fun with magnet		Practical geometry	Body movement	Conjunctions, Phrasal Verbs	Life in towns and villages + The New Empire and Kingdoms
13	17/12 to 12/1	14/1 to 19/1		Elixir of Life - Water	Mensuration		Preposition	
14	14/1 to 2/2	4/2 to 9/2	Universe		Data handling	Garbage in garbage out	Homophones Irregular Verbs	Traders, Kings and Pilgrims + Buildings, Paintings and Books