



Integrated Program Course Planning (Class 6th)

Academic Session 2016-17

PHYSICS

Course Name : Focus

Course Commencement : 4th April 2016

Course Completion : Last Week of Jan.'17

S.No	Topic Name	Total Lectures	Lecture No.	Sub-topic(s) Name	No. of DPPs	Misc. DPP's
1	Motion and Measurement of Distance	7	L-1	Importance of measurement, History of length measurement, standard system of measurement, measurement of length.	1	
			L-2	Measurement of length of curved line, measurement of area, measurement of volume.		
			L-3	Conversion of units.		
			L-4	Concept of rest and motion, Types of motion (linear motion, Periodic motion).		
			L-5	Distance, Speed, Uniform motion, Non-uniform motion.		
			L-6	Numerical.		
			L-7	DPP/ module discussion.		
2	Electricity and Circuit	4	L-8	Introduction, Electrical circuits, Electrical cells, Circuit diagram & symbols, Requirement of a circuit.	1	
			L-9	Light bulb, Conductors & Insulators, Requirement of closed conducting path.		
			L-10	Electric tester, Torch.		
			L-11	DPP/ module discussion.		
3	Magnets	3	L-12	Magnet, Temporary and permanent magnet, Types of substances.	1	
			L-13	Making a magnet, Electromagnet, Magnetic compass.		
			L-14	DPP/ module discussion.		
4	Rain, Thunder and lightning	2	L-15	Rain, Charged clouds, Lightning, Lightning conductors.	1	
			L-16	DPP/ module discussion.		
5	Light	5	L-17	Introduction, Sources of light, Medium of light.	1	
			L-18	Rectilinear propagation of light, Characteristics of light.		
			L-19	Shadow formation, Factors affecting it.		
			L-20	Pinhole Camera, difference between the image and shadow.		
			L-21	Module/ DPP discussion.		



Integrated Program Course Planning (Class 6th)

Academic Session 2016-17

CHEMISTRY

Course Name : Focus

Course Commencement : 4th April 2016

Course Completion : Last Week of Jan.'17

S.No	Topic Name	No. of Lectures	Lecture No.	Sub-topic(s) Name	No. of DPPs	Misc. DPP's
1	Separation of Substances	8	L-1	Introduction, Need for separation of substances from a mixture	2	
			L-2	Methods of separation - Introduction, Handpicking, sieving,		
			L-3	Threshing, Winnowing, Sedimentation and Decantation		
			L-4	Filtration, Evaporation, Condensation, Separation using more than one method		
			L-5	Practical lab.		
			L-6	DPP discussion		
			L-7	Text book Exercise discussion		
			L-8	Class Test		
2	Materials of Daily use	8	L-1	Introduction, History of clothing, Different types of Fabrics	2	1
			L-2	Natural Fabrics, Animal Fabrics, Plant Fabrics		
			L-3	Synthetic Fabrics, Introduction, Activity		
			L-4	Cotton-Introduction, Spining of Cotton yarn, Yarn to Fabric		
			L-5	Jute - Introduction, uses		
			L-6	DPP discussion		
			L-7	Text book Exercise discussion		
			L-8	Class Test		
3	Grouping Materials of Different kinds	7	L-1	Introduction, Grouping of materials	1	
			L-2	Properties of Materials- Appearance, Hardness, Solubility,		
			L-3	Density, Transparency, Properties of few commonly used materials		
			L-4	Lab		
			L-5	DPP discussion		
			L-6	Text book Exercise discussion		
			L-7	Class Test		
4	How Things Change	7	L-1	Introduction Reversible and Irreversible changes,	1	1
			L-2	Physical changes and Chemical changes		
			L-3	Expansion and Contraction, Physical changes in water.		
			L-4	Lab.		
			L-5	DPP discussion		
			L-6	Text book Exercise discussion		
			L-7	Class Test		
5	Importance of Air	8	L-1	Introduction Atmosphere, Air is matter	2	
			L-2	Air- A mixture - Nitrogen, Oxygen		
			L-3	Carbon dioxide, Water vapour, Dust and Smoke		
			L-4	Other uses of Air		
			L-5	Lab		
			L-6	DPP discussion		
			L-7	Text book Exercise discussion		
			L-8	Class Test		



Integrated Program Course Planning (Class 6th)
Academic Session 2016-17
MATHEMATICS

Course Name : Focus

Course Commencement : 4th April 2016
 Course Completion : Last Week of Jan.'17

S.No	Total Lectures	Topic(s) Name	Lecture No.	Sub-topic(s) Name (No. of Lectures)	No. of DPPs	Misc DPP's	QUIZ
1	10	Knowing our Numbers	L-1,2	Predecessor,successor; Comparison of numbers	1	1	
			L-3,4	Ascending order, descending order, Place value , face value , expanded form			
			L-5,6	Indian & international system, Making numbers			
			L-7	Estimation, use of numbers in everyday life			
			L-8, 9	Roman Numbers			
			L:10	Module & DPP Discussion			
2	6	Whole numbers	L-11,12	Properties of addition and subtraction	1		
			L-13,14,15	Properties of multiplication and division , Distributive Property			
			L-16	Module & DPP Discussion			
3	11	Playing with numbers	L-17,18	Factor, multiple,types of numbers	1		
			L-19-20	Divisibility test			
			L-21	Sieve of erathostenes			
			L-22,23	H.C.F			
			L-24,25	L.C.M			
			L-26	Operator precedence, use of brackets			
			L-27	Module & DPP Discussion			
4	6	Basic geometrical ideas	L-28	Line,line segment,ray,curve,polygons	1	1	
			L-29,30	angle,triangle			
			L-31,32	quadrilateral, circle			
			L-33	Module & DPP Discussion			
5	9	Understanding elementary shapes	L-34,35	Line segment, .kinds of angles	1		
			L-36,37	Classification of triangles			
			L-38,39	Classification of quadrilaterals, Polygons			
			L-40,41	Solid figures			
			L-42	Module & DPP Discussion			
6	5	Integers	L-43,44	Ordering, Absolute value of integers	1		
			L-45,46	Operations on integers			
			L-47	Module & DPP Discussion			
7	7	Fractions	L-48,49	Fraction as division,types of fraction,conversion	1	1	
			L-50,51	Like & unlike fraction, comparison			
			L-52,53	Representation on number line, operations			
			L-54	Module & DPP Discussion			
8	6	Decimals	L-55	Division of unit in equal parts, Representation on number line	1	1	
			L-56,57	Comparison, operation on decimals			
			L-58, 59	Operation on decimals			
			L-60	Module & DPP Discussion			
9	6	Data handling	L-61-62	Basics, Frequency distribution	1		

			L-63	Pictograph			
			L-64,65	Bar graph, Average			
			L-66	Module & DPP Discussion			
10	7	Mensuration	L-67,68	Perimeter and area of triangle	1	1	
			L-69,70	Perimeter and area of rectangle, square			
			L-71,72	Surface area and volume of Solid figures			
			L-73	Module & DPP Discussion			
11	6	Algebra	L-74	Literal numbers, Coefficients, variable & constants	1	1	
			L-75,76	Algebraic expression, algebraic equation			
			L-77,78	Solving an equation			
			L-79	Module & DPP Discussion			
12	6	Ratio & proportion	L-80,81	Ratio, Comparison of ratio	1	1	
			L-82	Proportion, Equivalent Ratio			
			L-83-84	Unitary Method			
			L-85	Module & DPP Discussion			
13	4	Symmetry	L-86	Reflection symmetry, mirror symmetry	1	1	
			L-87,88	Symmetry of geometrical figures			
			L-89	Module & DPP Discussion			
14	4	Practical geometry	L-90,91	Construction of lines	0		
			L-92, 94	Construction of different angles and DPP/ Module Discussion			



Integrated Program Course Planning (Class 6th)

Academic Session 2016-17

BIOLOGY

Course Name : Focus

Course Commencement : 4th April 2016

Course Completion : Last Week of Jan.'17

S.No	Topic(s) Name	Total Lectures	Lecture No.	Sub-topic(s) Name	No. of DPPs	Misc. DPP's
1	Source of food	4	L-1	Food varieties and food ingredients	1	
			L-2	Food eaten by animals		
			L-3	Sources of food (Plants & animals)		
			L-4	DPP discussion		
2	Components of food	4	L-5	Components of food Carbohydrates, Proteins & Fats	1	
			L-6	Vitamins, Minerals, Fibres, Water, Nutrients or food on the basis of their role. Balanced diet		
			L-7	Deficiency Disease		
			L-8	DPP Discussion		
3	Things around us	4	L-9	Characteristics of living things	1	1
			L-10	Difference between living and non-living		
			L-11	Common features between living and non-living, Differences in between plants and animals		
			L-12	DPP Discussion		
4	habitat of living	5	L-13	Habitat and its type	1	
			L-14	Components of habitat		
			L-15	Adaptation		
			L-16	Adaptation of different habitat (Terrestrial & aquatic habitat)		
			L-17	DPP Discussion		
5	Plants - Form And Function	6	L-18	Categories of plants	1	1
			L-19	Parts of plants		
			L-20	Roots, Stems and their functions.		
			L-21	Leaves and it's functions.		
			L-22	Flowers, Seeds and their functions.		
			L-23	DPP Discussion		
6	Animals - Form And Function	7	L-24	Introduction	1	1
			L-25	Body movements		
			L-26	Movements in animals		
			L-27	Movements in human beings,		
			L-28	Joints & Movements		
			L-29	The muscular system		
			L-30	DPP Discussion		
7	Importance of water	4	L-31	Water a natural resource , Importance of water		
			L-32	Sources of water, Water as a disaster		
			L-33	Conservation of water, Rain water harvesting		
			L-34	DPP Discussion		
8	Waste	5	L-35	Types of waste	1	1
			L-36	Methods of managing waste		
			L-37	Steps to reduce generation of waste, Recycling of paper		
			L-38	Plastic, Measures to prevent dangerous effects of waste		
			L-39	DPP Discussion		



Integrated Program Course Planning (Class 6th)

Academic Session 2016-17

ENGLISH

Course Name : Focus

Course Commencement : 4th April 2016

Course Completion: Last Week of Jan.'17

S.NO	TOPICS	S.NO	TOPICS
1	THE MIND READER	28	SCROOGE'S CHRISTMAS
2	THE HAIRCUT	29	PREPOSITIONS
3	NOUN	30	THE VILLAGE SCHOOL MASTER
4	IN MORNING DEW	31	THE HAPPY SCHOOL
5	I KEEP SIX HONEST SERVING MEN	32	IDIOMS AND PHASES
6	PRONOUN	33	POT LUCK
7	CROSS COUNTRY	34	CONJUNCTIONS
8	THE BULL FIGHT	35	THE TEST
9	NOTICE	36	REPORTED SPEECH
10	VERB FORMS	37	STREET CRIES
11	THE PIED PIPER OF HAMELIN	38	SUBJECT VERB AGREEMENT
12	THE LONELY HEART	39	PROVERBS
13	DAFFODILS	40	HOW FEAR CAME
14	ADVERBS	41	CONDITIONALS
15	THE SPECIAL PRIZE	42	THE LABURNUM
16	TENSE	43	THE PRICE OF FREEDOM
17	THE BLIND BOY	44	SYNONYMS AND ANTONYMS
18	LAUGHING SONG	45	THE LARK AND THE ROOK
19	PASSIVE VOICE	46	FIFTH FROM JUSTICE
20	BILL AND THE BOOM BOX ROCKET	47	MODELS
21	DIARY ENTRY	48	THE POBBLE WHO HAS NO TOES
22	DETERMINERS	49	THE WIZARD OF OZ
23	LETTER WRITING (FORMAL)	50	E-MAIL
24	SETTING OFF AROUND THE WORLD	51	A GENIUS WITHOUT FRONTIERS
25	SPELLING	52	LETTER WRITING (INFORMAL)
26	THE WALRUS AND THE CARPENTER	53	DADDY-LONG LEGS
27	ONE WORD	54	ARTICLE WRITING



Integrated Program Course Planning (Class 6th)

Academic Session 2016-17

Mental Ability

Course Name : Focus

Course Commencement : 4th April 2016

Course Completion: Last Week of Jan.'17

S.No	Topic(s) Name	Total Lectures	Lecture No.	Sub-topic(s) Name	No. of DPPs	Misc DPPs
1	Number Series	2	L- 1, 2	Number Series	1	1
2	Alphabet Series	1	L- 3	Alphabet Series	1	
3	Missing term in figure	2	L- 4	Missing term in figure	1	
			L- 5	DPP Discussion		
4	Alphabet Test	1	L- 6	Letter Word Problems, Word formation	1	1
5	Coding-Decoding	3	L- 7, 8	Letter-Letter Coding, Letter-Number Coding	1	
			L- 9	Miscellaneous Coding		
6	Direction Sense	1	L- 10	DPP Discussion	1	1
7	Ranking and Ordering	1	L-11	Direction Sense	1	
8	Puzzle Test	2	L- 12	Number Test & Ranking Test	1	
			L- 13	Different type of Linear, Circular seating arrangement		
9	Mathematical Operations	1	L- 14	DPP Discussion	1	1
10	Analogy	2	L-15	BODMAS Application, Interchange of signs and Number	1	
			L- 16	Simple Analogy, Letter Analogy, Word Analogy, Number Analogy		
11	Classification	2	L-17, 18	DPP Discussion	1	1
12	Figure Partition	2	L-19	Classification (Number, Letter, Word & Miscellaneous)	1	
			L- 20	Figure Partition		
13	Mirror and Water Images	1	L-21	DPP Discussion	1	1
14	Miscellaneous	3	L-22, 23	Mirror Images (Number, Letter, Word, Figures, etc.) Water Images (Number, Letter, Word, Figures, etc.)	1	1
			L- 24	Figure Completion		
				Figure Formation & Embedded Figure.		



Integrated Program Course Planning (Class 6th)

Academic Session 2016-17

Computer

Course Name : Focus

Course Commencement : 4th April 2016

Course Completion : Last Week of Jan.'17

S.No	Topic(s) Name	Total Lectures	Lecture No.	Sub-Topic(s) Name	No. of DPP
1	The Computer System	2	L-1	Classification of Computer by size, Hardware	1
			L-2	Software, Computer Languages	
2	Formatting Data in Excel-2013	2	L-3	Font Formatting, Alignment & Orientation of Data	1
			L-4	Number Formatting, Cell Styles	
3	Advanced Features of Excel-2013	2	L-5	Autofill, Flash Fill, Sorting	1
			L-6	Filtering, Conditional Formatting, More Sorting & Filtering	
4	Introducing Publisher 2013	3	L-7	Starting Publisher 2013, Publisher 2013 Interface	1
			L-8	Working with Publisher 2013, Creating a new blank Publication	
			L-9	Connecting Text Boxes, Typography	
5	Graphics in Publisher 2013	2	L-10	Working with Pictures, Scratch Area	1
			L-11	Working with Shapes, Working with Building Blocks	
6	Basics of MS Small Basic	3	L-12	Basics of Small Basic	1
			L-13	Elements of Small Basic	
			L-14	Conditional Statements in Small Basic	
7	The Internet as a Post Office	2	L-15	Internet Terms and Addresses, E-mail Services	1
			L-16	Information Retrieval, Education through the Internet, Finding People on the Internet	
8	Introduction to Flash CS3	2	L-17	Getting Started with Flash	1
			L-18	Drawing Modes in Flash, Selection Tools	
9	DrawingTools in Flash CS3	1	L-19	Drawing Tools, Reshaping Lines and Shapes	1
10	Creating Animations in Flash CS3	3	L-20	Creating Symbols	1
			L-21	Understanding the Timeline	
			L-22	Creating Animals : Frame-by-frame Animation, Motion Tweening, Shape Tweening	



Integrated Program Course Planning (Class 6th)

Academic Session 2016-17

SOCIAL SCIENCE

Course Name : Focus

Course Commencement : 4th April 2016

Course Completion : Last Week of Jan.'17

S.No	Topic Name	Total Lectures	Lecture No.	Sub-topic(s) Name	No. of DPPs	Misc. DPP's
1	EARTH & THE SOLAR SYSTEM	4	L-1	Stars & Constellation	1	
			L-2	Solar System		
			L-3	Earth : a unique Planet		
			L-4	Satellites & other Celestial Bodies		
2	INTRODUCTION TO HISTORY	5	L-5	What is History & past events	1	1
			L-6	Where' of Past Events		
			L-7	Source Material: Archaeological		
			L-8	Literary Sources		
3	UNDERSTANDING DIVERSITY	4	L-9	Smart Class + DPP	1	
			L-10	Diversity & Interdependence		
			L-11	Diversity in India		
			L-12	Ways of life, what does diversity add to our lives		
4	MAP	3	L-13	Test + Review	1	
			L-14	Globe & Maps		
			L-15	Important Features of Maps		
5	THE EARLIEST SOCIETIES	4	L-16	Symbol, Sketch & Plan	1	1
			L-17	Stone Age		
			L-18	Life of Palaeolithic Man		
			L-19	Palaeolithic age in Deccan		
6	PREJUDICE AND DISCRIMINATION	5	L-20	Smart Class + DPP	1	
			L-21	Prejudice		
			L-22	Prejudice & Discrimination		
			L-23	Diversity		
7	LATITUDE & LONGITUDE	3	L-24	Life of B.R Ambedkar	1	
			L-25	Test + Review		
			L-26	Latitude of a Place, Latitude & Heat Zones		
8	THE FIRST FARMERS AND THE HERDERS	4	L-27	Meridians of Longitude & Local Time	1	1
			L-28	Standard Time		
			L-29	Mesolithic Age		
			L-30	Neolithic Age		
9	THE FIRST CITIES	5	L-31	Neolithic Settlements in Indian Subcontinent	1	
			L-32	Test & Discussion		
			L-33	Indus Valley Civilisation		

	OF THE INDIAN SUBCONTINENT		L-34	Architectural Features		
			L-35	Occupation of the people		
			L-36	Social life :Administration, Religious Worship,Harrapan Cities in Gujrat , Decline of Civilisation		
			L-37	Smart Class + DPP		
10	GOVERNMENT	4	L-38	Government- Types of Government	1	
			L-39	Laws & Governments		
			L-40	Universal Suffrage & Franchise and Indian Constituencies		
			L-41	Test + Review		
11	MOTION OF THE EARTH	3	L-42	Rotation- Day & Night	1	1
			L-43	Revolution- Unequal days & Nights		
			L-44	Seasons- Winter & Summer		
12	THE VEDIC AGE	3	L-45	Introduction & Early Vedic Period	1	
			L-46	Later Vedic		
			L-47	Lithic Culture in India		
13	EARLY STATES IN INDIA	4	L-48	Republics V/S Monarchies	1	
			L-49	Janapadas & Mahajanapads		
			L-50	Republic State of Vajji & Monarchy of Magadh		
			L-51	Smart Class + DPP		
14	KEY ELEMENTS OF DEMOCRATIC GOVERNMENT	4	L-52	Important Features of a Democratic Government	1	1
			L-53	Need to resolve conflict		
			L-54	Democracy and Indian Constitution		
			L-55	Test & Review		
15	THE EARTH'S CONSTITUENTS	4	L-56	Lithosphere-Continents, Land Forms, Mountains, Plateaus & Plains	1	
			L-57	Hydrosphere-Four Ocean		
			L-58	Atmosphere		
			L-59	Biosphere, Man & teh Enviornment		
16	NEW RELIGIOUS IDEAS	3	L-60	Upnishads	1	
			L-61	Buddhism & Jainism		
			L-62	Sangh & Monasteries		
17	DEVELOPMENT OF THE FIRST EMPIRE	4	L-63	Introduction & Alexander Invasion	1	1
			L-64	Mauaryans Rise		
			L-65	Administration & Society		
			L-66	Smart Class + DPP		
18	HOW WE GOVERN OUR COMMUNITIES	4	L-67	Adv. Of local self Government, Panchyati Raj	1	
			L-68	Municipalities		
			L-69	District Administration		
			L-70	Test + Review		
19	INDIA OUR MOTHERLAND	4	L-71	Location & Extent	1	1
			L-72	Political Division		
			L-73	Physical Division: Mountains & plains		
			L-74	Plateaus, Costal Plains & ilands		
20	TRADE CRAFT & CITIES	2	L-75	Flourishing Villages & Growth of Crafts town & Trade	1	
			L-76	Trading ports & centre		

21	INDIAS CONTACT WITH THE OUTSIDE WORLD	6	L-77	North West India, Spread of Buddhism from india	1			
			L-78	Role of Buddhist Monks				
			L-79	Role of Chinese Pilgrims				
			L-80	The Deccan & the out side world -Satwahanas				
			L-81	South Kingdom & Outside World				
			L-82	Smart Class + DPP				
22	RURAL LIVLIHOOD	3	L-83	Crop cultivation	1	1		
			L-84	Other Occupation & Women and Rural Livelihood				
			L-85	Test + review				
23	INDIA: CLIMATE NATURAL VEGETATIONS & WILD LIFE	4	L-86	Weather & Climate	1		1	
			L-87	Factors Determining Climate				
			L-88	Climatic Diversity				
			L-89	Natural Vegetation & Wild life				
24	POLITICAL DEVELOPMENTS AD300 - 700AD	5	L-90	Chandragupta-I & Samudragupta	1			1
			L-91	Chandragupta Vikramaditya & Harshvardhan				
			L-92	Chalukyas & Pallavas				
			L-93	Life of The People				
			L-94	Bhakti Movements				
25	CULTURE & SCIENCE	3	L-95	Literature- Sanskrit, Tamil	1	1		
			L-96	Art & sculpture & Man				
			L-97	Smart Class + DPP				
26	URBAN LIVLIHOOD	3	L-98	Work in office, Work in shops	1		1	
			L-99	Work in factories, Work on roads				
			L-100	Women worker in Cities				