



BARODA HIGH SCHOOL, O.N.G.C.

Primary Section (Morning Shift)

STD: VII (SYLLABUS : 2026-27)

SCIENCE

Name of Textbook : Science Textbook for Class VII Latest Edition [NCERT]

MONTH	WORKING DAYS	CH. NO.	CHAPTER	LEARNING OUTCOMES	TLM	NO. OF PERIODS
June	19	1	Nutrition in Plants (UT-1)	1) Students are able to know about the modes of nutrition	TLM-leaves, Microscope, charts	9
				2) Photosynthesis process	Activity- Observation of stomata, growth of fungus on bread	
				3) Structure of cell		
				4) Replenishment of nutrients in soil		
		2	Nutrition in Animals (UT-1)	1) Students will learn about different ways of taking food	TLM- models, charts, dentture, videos	10
2) Process of digestion in human	Activity- effect of saliva					
3) Information about teeth, tongue and tastebuds						
July	27	3	Heat (Term-1)	1) To know about that concept of hot and cold	TLM-Thermometers	12
				2) Concept of temperature	ACTIVITY- suggested in the textbook	
				3) Measurement of body temperature		
				4) Types of thermometer and uses		
				5) Transfer of heat (conduction, convection and radiation)		
				6) Land breeze and Sea breeze.		
		4	Acids, Bases and Salts (Term-1)	1) Students will be able to know about acids, bases and its differences	TLM- Natural indicators-turmeric, rose water, litmus	10
				2) Meaning of indicator, Types of indicators	Activity- verify the nature of solutions using indicatores, nutralization reaction	
				3) Uses of indicator to identify acid and base		
				4) Student should learn about the process of neutralization reaction		
				5) Application of neutralization reaction in everyday life		
Revision (UT-1)						5
August	23	5	Physical and Chemical Changes (Term-1)	1) Students will know about physical changes and its properties		12
				2) To know about chemical changes and its properties	TLM- real life objects such as paper, rusted nails, decayed fruits etc	
				3) To distinguish between physical and chemical changes	Activity- colour change of copper sulphate solution , rusting in iron	
				4) To know about various chemical changes		
				5) To know about different chemicals reactions like rusting of iron, etc.		
				6) To know about process of galvanization and crystallization		
				7) To write word equations for chemical reactions - example: acid, bases reactions		
		6	Respiration in Organisms (To be continued) (Term-1)	1) To know about the modes of respiration in various organisms	TLM- models, charts, videos of breathing mechnism	7
				2) To know about the process of inhalation and exhalation	ACTIVITY- suggested in the textbook	
		September	24	6	Respiration in Organisms (Term-1)	3) To know about process of respiration in humans
Revision (Term-1)						10

MONTH	WORKING DAYS	CH. NO.	CHAPTER	LEARNING OUTCOMES	TLM	NO. OF PERIODS
October	24	7	Term I Examination Transportation in Animals and Plants (UT-2)	1) Student will learn about circulatory system in human	TLM- working models of stethoscope, charts and videos of function of human heart and excretory system	8
				2) They will learn about arteries, veins and capillaries	ACTIVITY- suggested in the textbook	
				3) To know about structure of heart		
				4) To know about blood and types of blood cells		
				5) Process of excretion in humans		
				6) Transport of substance in plants		
		8	Reproduction in Plants To be continued.... (UT-2)	1) To know about modes of reproduction in plants	TLM- models , charts of parts of flower and fertilization in flowers	3
				2) To know about unisexual and bisexual flowers		
November	7	8	Reproduction in Plants (UT-2)	3) To know about sexual reproduction in plants	Activity- dissection flower, growing plants with vegetative parts	8
				4) To know about fruit and seed formation		
				5) To know about seed dispersal		
December	26	9	Motion and Time (Term-2)	1) To know about rest position and motion		12
				2) To know about speed of moving objects, time period of simple pendulum	TLM: Pendulum, types of clocks	
				3) To know how to plot the distance time- graph,	Activity:Graph of uniform and non-uniform motion	
				4) To solve numerical problems based on distance time and speed		
		10	Electric Current and its Effects (To be continued) (Term-2)	1) To know about components of electric circuits	TLM: Electric circuits and electric components	3
				2) To know about heating effects of electric current		
				3) To know about electric fuse and MCB	Activity: Electric Bell	
Revision (UT-2)						4
January	24	10	Electric Current and its Effects (Term-2)	1) Magnetic effects of electric currents		13
				2) To know about electromagnet		
				3) To know about the working of electric bell		
February	24	11	Light (Term-2)	1) Students will know about light rectilinear propagation of light	TLM: Types of mirrors and Lenses	12
				2) Lateral inversion		
				3) Mirror, lenses and its types	Activity- Newton disc, Prism	
				4) Images formed by mirror and lenses		
				5) Dispersion of light (Newton's disc)		
		12	Forests - Our Lifeline (Term-2)	1) Students will know about forests		10
				2) Various forest products	TLM: Charts	
				3) Types of trees/ animals living in forests		
March	22	13	Waste water Story (Term-2)	4) To know about food chain and food Web		10
				5) Protection and conservation of forests		
				6) To know about deforestation and its effects		
				1) Students will know about sewage		
				2) Treatment of polluted water	TLM: Charts	
				3) Waste water treatment plant		
4) Better houses keeping practices	Activity : Filtration process					
5) Sanitation and disease						
6) Alternative arrangement for sewage disposal and sanitation at public places.						
Revision						