



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

Primary Section (Morning Shift)

STD: VIII (SYLLABUS : 2026-27)

SCIENCE

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

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MONTH	WORKING DAYS	CH. NO.	CHAPTER	LEARNING OUTCOMES	TLM	NO.OF PERIODS
June	19	1	Crop Production and Management (UT -1)	Students will know about different kinds of crops and different agricultural practices . Students will know about manure and fertilizers and traditional & modern methods of irrigation and also animal husbandry.	TLM- 3D physical agricultural tools Activity- Preparation of soil(Step wise)	8
		2	Microorganisms: Friend and Foe (UT -1)	Student will be able to understand the types of microorganisms : beneficial and harmful . Students will understand methods of food preservation and nitrogen cycle.	TLM- Microscope,slides,charts Activity-Fermentation of curd and bread	8
July	27	3	Coal and Petroleum (Term-1)	Students will be able to know about exhaustible and in - exhaustible natural resources , the process of forming coal ; its types and uses . Students will also know various constituents of petroleum, their uses and thoughtful use of natural resources .	TLM- exhaustible and inexhaustible resources Activity- plotting coal and petroleum mines on map	10
		4	Combustion and Flame (Term-1)	Teacher will enable the students to understand combustion and its types and the ignition temperature , flammable and inflammable substances , structure of candle flame and fuel efficiency (Calorific value) of various fuels & harmful effects of burning fuels.(Global warming & Acid rain)	TLM- Candle Activity-Air is essential for combustion	10
Revision- UT1						3
August	22	5	Conservation of Plants and Animals (Term-1)	Students will be able to understand about deforestation and its causes and consequences ; conservation of forest and wildlife . They will understand about biosphere reserve , National park , wildlife sanctuary, red data Book , endangered species & endemic species of flora & fauna and also	TLM- Charts,Map Activity- Nature walk to explore flora and fauna	10
		6	Reproduction in Animals(to be continued...)(Term-1)	Students will know about reproduction, male and female reproductive systems,internal and external fertilization, viviparous and oviparous animals.	TLM- Charts ,videos Activity- puzzles	10
September	24	6	Reproduction in Animals (Term-1)	Students will know about metamorphosis in frog, Asexual reproduction in amoeba and hydra.	TLM- Charts ,videos Activity- puzzles	8
Revision-TERM 1						10

MONTH	WORKING DAYS	CH. NO.	CHAPTER	LEARNING OUTCOMES	TLM	NO.OF PERIODS
October	24	7	Term 1 examination Reaching the Age of Adolescence (UT -2)	Students will be able to changes at puberty in boys and girls , secondary sexual characteristics, role of hormones in initiating reproductive functions, menstruation and menopause, chromosomes, hormones and their role, reproductive health and hygiene and will learn to say no to drugs.	Activity- Talk show on Adolescence	14
November	7	8	Force and Pressure (to be continued...) (UT -2)	To enable the students to know about push or pull , effects of forces , types of forces , pressure and its units , pressure exerted by liquids and gases(that is experiments) and atmospheric pressure.	TLM- real life objects Activity- Suggested Activities of text books	6
December	26	8	Force and Pressure (UT -2)	To enable the students to know about push or pull , effects of forces , types of forces , pressure and its units , pressure exerted by liquids and gases(that is experiments) and atmospheric pressure.	Activity- Suggested Activities of text books	4
		9	Friction (Term-2)	Students will know about friction, that is force of friction, factors affecting friction, types of friction , its causes and effects and they will be able to demonstrate different activities based on the same.	TLM- Spring balance Activity- Suggested Activities of text books	11
		10	Sound(to be continued...) (Term-2)	Students will understand about the sound produced by various vibrating bodies ; the sound produced by humans	TLM- Musical Instruments, model of ear Activity-Suggested Activities of text books	6
Revision- UNIT-2						3
January	24	10	Sound (Term-2)	Students will understand about the medium for propagation of sound ; the structure of human ear ; the concept of loudness, amplitude, frequency, time period; the types of sound ; noise and music ; the effects and prevention of noise pollution. The students will be able to solve the numerical problem based on time period and frequency .	Activity-Suggested Activities of text books	5
		11	Chemical Effects of Electric Current (Term-2)	To enable the students to know about the conduction of electricity through liquids, chemical effects of electric current, electroplating and its applications.	TLM- Electric circuit Activity-Suggested Activities of text books	12
February	24	12	Some Natural Phenomena (Term-2)	Students will know about the concept of lightning ; experiments based on charging by rubbing ; types of charges and their interaction ; transfer of charges ; electroscope ; story of lightning ; dos and don'ts during lightning ; earthquake and its causes ; Richter scale ; seismograph , seismic zones , effects of earthquake & protection against earthquakes.	TLM- PPT on natural disaster Activity- Making model of seismograph	12
March	23	13	Light (Term-2)	Students will understand about light and visibility ; the laws and types of reflections ; multiple reflection ; kaleidoscope ; dispersion of light ; structure of human eye ; care of eyes ; Braille system . Students will be able to draw ray diagrams and solve numericals.	TLM- mirror,glass prism Activity- laws of reflection, dispersion of light	15
Revision						