

CLASS X (2018-2019)**Unitwise marks distribution:****Unit 1. Chemical Substances-Nature and behavior 25**

2. World of Living	23
3. Natural Phenomena	12
4. Effects of Current	13
5. Natural Resources	07
Total	80
Internal assessment	20
Grand Total	100

SCIENCE
SPLIT- UP SYLLABUS

CALENDER	WORKING DAYS	CHAPTER	CONTENTS	Laboratory Activities/Subject enrichment activities	
April 2-15	11	1 12	Chemical reactions and equations- balancing and its types.	Some suggested Topics are : * Rancidity in some food items. * Chemicals from common salt.	
April 16 – 28	12	1 6 12	Rancidity Life processes- living beings. Basic concept of nutrition, respiration, transportation.*Nutrition in amoeba with the help of chart/model. * breakdown of glucose by various pathways with the help of TAL.		

CALENDER	WORKING DAYS	CHAPTER	CONTENTS	Laboratory Activities/Subject enrichment activities	
May 1- May 13	10	6	.+Transport and excretion in plants and	Class Test 1. NCERT	

		12	animal	Activity 2.10,2.15 * To study structure of stomata.	

SUMMER VACATION (MAY 16 – JULY 3)

CALENDAR	WORKING DAYS	CHAPTER	CONTENTS		
JULY 3– JULY 15	9	3	Acids, bases and salts- General properties, uses, concept of pH scale, importance of pH in everyday life, preparation and uses of sodium .	*To study pH of different solutions. *To observe the action of Zn Fe Cu and Al(metals) in the decreasing order of reactivity based on displacement reactions.	
JULY 16 – JULY 31	14	2 7 3	hydroxide, bleaching powder, baking soda, washing soda & Plaster of Paris. Control and co-ordination in animals and plants Metals and non-metals-properties, reactivity series.		
AUG 1- AUG 14	11	7	- Tropic movements in plants hormones, control and co-ordination in animals, nervous system, voluntary, involuntary and reflex action, animal hormones.	*Class Test *Experiment to show that carbon dioxide is given out during respiration.	

		13	Metals and non-metals-formation and properties of ionic compounds, corrosion and its prevention .		
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CALENDAR	WORKING DAYS	CHAPTER	CONTENTS		
AUG 16– AUG 31	13	3.	Formation and properties of ionic compounds. Basic metallurgical processes. Corrosion and its prevention.	*To study the properties of acetic acid *To study (a) binary fission in amoeba (b) budding in yeast with the help of prepared slides.	
SEPT 1 – SEPT 15	11	4	Carbon compounds- covalent bonding, versatile nature of carbon, homologous series, nomenclature of carbon, compound containing functional groups, difference between saturated and unsaturated hydrocarbons. Sources of energy Reproduction- Reproduction in animals and plants (asexual and sexual), Reproductive health- need for and methods of family planning, HIV/AIDS, child bearing and women's health. Sources of energy (contd)	*Identification of different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).	
SEPT 16– SEPT 30	9	14			
		8			
		14			

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CALENDAR	WORKING DAYS	CHAPTER	CONTENTS		
OCT 1 – OCT 31	17	8 9	Heredity and evolution- Mendel's contribution, Laws for inheritance of traits, Sex determination: brief introduction, Evolution, acquired and inherited traits, speciation, tracing evolutionary relationship fossils, etc Revision for half yearly.	*To explain different parts of flower especially reproductive parts. *To study homologous and analogous organs. Act. 10.2 NCERT Page 162	
NOV 1 – NOV 15	10	4 15	Periodic classification of elements. Early attempts of classification .Different forms of periodic table. Mendeleevs and modern periodic table, periodicity of elements. Our environment Management of natural resources	*Process of cleansing action. (ii) to prepare Soap in the lab	
NOV 16 – NOV 30	13		Revision	*Class Test	

CALENDAR	WORKING DAYS	CHAPTER	CONTENTS		
DEC 1 TO DEC 15	11				
DEC 16 TO DEC 31	8				

CALENDAR	WORKING DAYS	CHAPTER	CONTENTS		
JAN 5 – JAN 15					
JAN 16- JAN 31					

CALENDAR	WORKING DAYS	CHAPTER	CONTENTS		
28 JAN – 13 FEB	15	*****	Revision	***** **	***** *
FEB 16 – FEB 1- FEB 15	10	*****	Revision	***** ***	***** **
FEB 16- FEB 28	5	*****	Revision of Term 2	***** ***	***** *
MAR 1- MAR 15			Mock test/REVISION		

CLASS X
SUB: PHYSICS
SPLIT UP SYLLABUS 2017-18

Month	Dates	Days	Approx. Periods	Chapter	Topics
April	2-15	11	8	Electricity	Electric current, potential difference and electric current. Ohm's law; Resistance, Resistivity, Factors on which the resistance of a conductor depends. Series combination of resistors,
April	16-28	12	8	Electricity	Parallel combination of resistors and its applications in daily life. Heating effect of electric current and its applications in daily life. Electric power, Inter relation between P, V, I and R.
May	1-11	10	7	Magnetic effects of current	Magnetic effects of current: Magnetic field, field lines, field due to a current carrying conductor
July	3-15	9	7	Magnetic effects of current	Field due to current carrying coil or solenoid; Force on current carrying conductor. Revision for PT I
July	16-31	14	4	Magnetic effects of current	PERIODIC TEST I Fleming's left hand rule. Electromagnetic induction. Induced potential difference, Induced current.
August	1-14	11	8	Magnetic effects of current	Fleming's Right Hand Rule, Direct current. Alternating current : frequency of AC. Advantage of AC over DC. Domestic electric circuits.
August	16-31	13	8	Sources of energy	: Different forms of energy, conventional and non-conventional sources of energy: fossil fuels, solar energy;
September	1-15	11	8	Sources of energy	Biogas; wind, water and tidal energy; nuclear energy. Renewable versus non-renewable sources.
September	16-30	7	5		REVISION FOR HALF YEARLY
October	1-15	11	8	Light-reflection and refraction	Reflection of light at curved surfaces, Images formed by spherical mirrors, centre of curvature, principal axis, principal focus, focal length,

					mirror formula (Derivation not required), magnification.
October	26-31	5	4	Light-reflection and refraction	Refraction; laws of refraction, refractive index. Refraction of light by spherical lens, Image formed by spherical lenses, Lens formula (Derivation not required), Magnification. Power of a lens.
November	1-15	7	9	Human eye and colourful world	Functioning of a lens in human eye, defects of vision and their corrections, applications of spherical mirrors and lenses. Refraction of light through a prism, dispersion of light, scattering of light, applications in daily life.