



FORTNIGHTLY SYLLABUS PLANNING (2023-24)

CLASS X SUBJECT-SCIENCE

New Session begins on 1st March 2023

S.No.	Duration	No. of Teaching Days	Theory	Practical/ Activity	Weightage in Board
1	1 st March – 15 th March	11	Ch.1:Chemical Reactions and Equations - (Introduction, Balancing of chemical equations) Ch.5: Life processes (Introduction, Photosynthesis) Ch.9: Light, Reflection and Refraction (Introduction).		
2	16 th March- 31 st March	12	Ch.1: Chemical Reactions and Equations- (upto Displacement Reaction) Ch.5: Life Processes (Nutrition in human beings- introduced) Ch. 9: Light , Reflection and Refraction (cont...)	*To prepare a temporary mount of leaf peel cells to observe stomata. *To study the various types of chemical reactions	
3	1 st April- 15 th April	7	Ch 1. Chemical reactions and equations (continued) Ch.2: Acids, Bases and Salts- (Introduction) Ch.5: Life Processes (Respiration in humans introduction) Ch. 9: Light, Reflection and Refraction (cont...)	*To find the focal length of a given concave mirror. *To find the focal length of a given convex lens.	

Unit Test: 17th April – 15th May'23

4	16 th April- 30 th April	10	Ch.2: Acid Bases and salts - (Indicators, Reaction of acids) Ch.5: Life Processes (Respiration –contd) Ch. 9: Light, Reflection and Refraction (cont....) Ch:10: Human Eye and the colourful world (Intro..)	*To show that Carbon dioxide is released during respiration. *To show the Refraction of light through Prism. To show the Refraction of light through glass slab.	
5	1 st May- 15 th May	10	Ch.2: Acid Bases and salts (Reactions of bases and reaction of salts) Ch.5: Life Processes (Circulation-Introduction) Ch. 10: Human Eye and the colourful world.(Cont...)	* Finding the pH of the following samples by using pH paper/universal indicator * Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with: Unit-I a) Litmus solution (Blue/Red) b) Zinc metal c) Solid sodium carbonate	
6	16 th May – 31 st May	9	Ch.2: Acid Bases and salts(cont.) Ch.5: Life Processes (Circulation-contd) Ch.5: Life Processes (Excretion.) Ch. 10: Human Eye and the colourful world.(Cont...)		

Summer Vacations:29th May – 30th June'23

7	1 st July- 15 th July	11	Ch.3: Metals and Non Metals-(upto physical properties) Ch.6: Control & Coordination (Introduction, Coordination in animals) Ch. 11: Electricity		
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Periodic Test-1: 10th July – 7th August'23

8	16 th July- 31 st July	11	Ch.3: Metals and Non Metals (chemical properties) Ch.6: Control and Coordination (Coordination in plants.) Ch.11: Electricity (cont...)	*To observe the action of Zn, Fe, Cu and Al metals on the given salt solutions. *Verification of ohm's law.	
9	1 st Aug- 15 th Aug	10	Ch.3: Metals and Non Metals (Extraction of metals) Ch.6: Control and Coordination (Contd.) Ch,13 Our Environment Ch. 11: Electricity (cont....)	*Determination of equivalent resistance in series and parallel combination.	

10	16 th Aug-31 st Aug	11	Ch.4: Carbon and its Compounds-(introduction) Ch 7. How do organism reproduce? (Asexual reproduction in plants) Ch.11: Electricity (cont...)	*To study binary fission in Amoeba & budding in Yeast, budding in hydra	
Syllabus Completion for Periodic Test 2: 31st Aug 2023 Internal Assessment for Periodic Test 2: April 23 – Sept 23 Practicals for Periodic Test 2: 6th Sept – 13th Sept 23					
11	1 st Sept-15 th Sept	7	REVISION		
Periodic Test 2- 13th Sept- 25th Sept 23					
12	1 st Oct- 15 th Oct	9	Ch.4: Carbon and its Compounds-(upto IUPAC nomenclature) Ch 7. How do organism reproduce? (Sexual reproduction in plants and animals) Ch.12: Magnetic effects of electric current.		
Autumn Break- 23rd Oct- 24th Oct 23					
13	16 th Oct-31 st Oct	10	Ch.4: Carbon and its Compounds-(upto soaps and detergents) Ch 8. Heredity Ch.12: Magnetic effects of electric current (cont...)	*To study structure of a dicot seed. *To study the comparative cleaning capacity of a sample of soap in soft and hard water. * To study the properties of Ethanoic acid	
Syllabus Completion for Board Exams – 31 Oct'23					
14	1 st Nov -15 th Nov	7	REVISION		
Diwali Break : 13th Nov - 15th Nov'23 Periodic Test 3? Preboard 1 Examination: 10th Nov – 22nd Nov 23					
15	16 th Nov-30 th Nov	3	REVISION		
Pre Board Practical: 4th Dec – 8th Dec 23					
16	1 st Dec- 15 th Dec	10	REVISION		
Pre Board - 2 Examination: 15th Dec – 22nd Dec 23					
17	16 th Dec-31 st Dec	4	REVISION		
Internal Assessment for Boards: October 23 – January 24					
Winter Break- 1st Jan - 12th Jan'24					

SYLLABUS FOR ASSESSMENT

Exam	Test Date	Syllabus
UNIT TEST	8 TH MAY	Ch 1(till decomposition reaction),Ch5 (Till Nutrition in amoeba) Ch. 9: Light , Reflection and Refraction (reflection)
PERIODIC TEST 1	24 TH JULY	Chem- Ch 1 Bio- Ch 5 (Nutrition, Respiration) Ch. 9: Light, Reflection and Refraction. (Refraction) Ch. 10: Human eye and the colourful world.
PERIODIC TEST 2	25 TH SEP	Chem- Ch 1,2, Bio- Ch 5,6 Ch.9: Light, Reflection and Refraction. Ch.10: Human eye and the colourful world. Ch. 11: Electricity.
PERIODIC TEST 3	16 TH NOV	Chem-Ch-1,2,3,4 Bio- Ch-5 ,6,7,8,13 Physics: Ch- 9 ,10, 11, 12.
PRE BOARD EXAMINATION	20 TH DEC	Chem-Ch-1,2,3,4 Bio- Ch-5, 6,7,8,13 Physics: Ch- 9, 10, 11, 12.