



FORTNIGHTLY SYLLABUS PLANNING (2025-26)

CLASS X

SUBJECT- SCIENCE

New Session begins on 3rd March 2025

S.no.	Duration	No. of Teaching Days	Theory	Practical/ Activity	Weightage in Board
1	1 st March – 15 th March	9	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	11	Ch.1: Chemical Reactions and Equations-(up to 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	10	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.	
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.	
Unit Test: 28th April – 9th May 25					
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	6	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:26th May – 30th June 25					
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		
Periodic Test-1: 11th July – 23rd July 25					
8	16 th July-31 st July	12	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	10	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: 29th Aug 2025					
Internal Assessment for Periodic Test 2: April 25 – Sept 25					
11	1 st Sept-15 th Sept	9	REVISION		
Periodic Test 2- 15th Sept- 26th Sept 25					
Autumn Break- 30th Sept – 2nd Oct 25					
12	1 st Oct- 15 th Oct	8	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.		
13	16 th Oct-31 st Oct	8	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 Examination – 31st Oct 25					
14	1 st Nov -15 th Nov	3	REVISION		
Diwali Break : 20th Oct - 23rd Oct 25					
Periodic Test 3/ Preboard 1 Examination: 7th Nov – 17th Nov 25					
15	16 th Nov-30 th Nov	9	REVISION		
Pre Board - 2 Examination: 8th Dec – 19th Dec 25					
Internal Assessment for Boards: October 25 – January 26					
Winter Break- 29th Dec - 9th Jan 26					

TOTAL TEACHING DAYS: 136

SYLLABUS FOR ASSESSMENT

Exam	Test Date	Syllabus
UNIT TEST	28/4/25	Ch 1 Chemical Reactions and Equations (till decomposition reaction), Ch5 Life Processes (Till Nutrition in human beings) Ch. 9: Light , Reflection and Refraction (reflection)
PERIODIC TEST 1	14/7/25	Chem- Ch 1 Chemical Reactions and Equations Bio- Ch 5 Life Processes (Nutrition, Respiration) Ch. 9: Light, Reflection and Refraction. (Refraction) Ch. 10: Human eye and the colourful world.
PERIODIC TEST 2	19/9/25	Chem- Ch 1 Chemical Reactions and Equations, Ch.2 Acids, Bases and Salts, Bio- Ch 5 Life Processes Ch.6 Control and Coordination Ch.9: Light, Reflection and Refraction. Ch.10: Human eye and the colourful world. Ch. 11: Electricity.
PERIODIC TEST 3 (PRE BOARD 1)	12/11/25	Chem-Ch-1,2,3,4 Bio- Ch-5 ,6,7,8,13 Physics: Ch- 9 ,10, 11, 12.
PRE BOARD 2 EXAMINATION	10/12/25	Chem-Ch-1,2,3,4 Bio- Ch-5, 6,7,8,13 Physics: Ch- 9, 10, 11, 12.