



**FORTNIGHTLY SYLLABUS PLANNING (2026-27)**

**CLASS X**

**SUBJECT-SCIENCE**

<b>New Session begins on 2<sup>nd</sup> March 2026</b>				
<b>S.No.</b>	<b>Duration</b>	<b>No. of Teaching Days</b>	<b>Theory</b>	<b>Practical/ Activity</b>
1	1 <sup>st</sup> March – 15 <sup>th</sup> 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 <sup>th</sup> March – 31 <sup>st</sup> March	11	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 <sup>st</sup> April-15 <sup>th</sup> 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 <sup>th</sup> April- 30 <sup>th</sup> April	11	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.
<b>Unit Test: 23<sup>rd</sup> April – 30<sup>th</sup> April 26</b>				
5	1 <sup>st</sup> May- 15 <sup>th</sup> 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 <sup>th</sup> May-31 <sup>st</sup> May	5	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...)	
<b>Summer Vacations:25<sup>th</sup> May – 30<sup>th</sup> June 26</b>				
7	1 <sup>st</sup> July- 15 <sup>th</sup> July	11	Ch.3: Metals and Non Metals-(upto physical properties) Ch.6: Control & Coordination (Introduction, Coordination in animals) Ch. 11: Electricity	
8	16 <sup>th</sup> July-31 <sup>st</sup> 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.
<b>Periodic Test-1: 31<sup>st</sup> July – 7<sup>th</sup> August 26</b>				
9	1 <sup>st</sup> Aug- 15 <sup>th</sup> 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 <sup>th</sup> Aug- 31 <sup>st</sup> Aug	9	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
<b>Internal Assessment for Periodic Test 2: April 26 – Sept 26</b>				
<b>Syllabus Completion for Periodic Test 2: 31<sup>st</sup> Aug 2026</b>				
11	1 <sup>st</sup> Sept-15 <sup>th</sup> Sept	8	<b>REVISION</b>	
<b>Periodic Test 2: 14<sup>th</sup> Sept- 25<sup>th</sup> Sept 26</b>				
12	16 <sup>th</sup> Sept – 30 <sup>th</sup> Sept	3	Ch.4: Carbon and its Compounds-(upto hydrocarbons ) Ch 7. How do organism reproduce? (Sexual reproduction introduction) Ch.12: Magnetic effects of electric current.(Introduction)	
13	1 <sup>st</sup> Oct- 15 <sup>th</sup> Oct	10	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.	
<b>Autumn Break- 17<sup>th</sup> Oct – 20<sup>th</sup> Oct 26</b>				
14	16 <sup>th</sup> Oct-31 <sup>st</sup> Oct	8	Ch.4: Carbon and its Compounds-(upto soaps and detergents ) Ch 8. Heredity Ch.12: Magnetic effects of electric current ( cont...)	
15	1 <sup>st</sup> Nov -15 <sup>th</sup> Nov	7	<b>REVISION</b>	
<b>Syllabus Completion: 6<sup>th</sup> Nov 26</b>				
<b>Diwali Break : 7<sup>th</sup> Nov – 11<sup>th</sup> Nov 26</b>				
<b>Periodic Test 3/ PB1: 18<sup>th</sup> Nov – 30<sup>th</sup> Nov 26</b>				
<b>Internal Assessment for Boards: October 26 – January 27</b>				
<b>Pre Board 2 Examination: 11<sup>th</sup> Dec – 23<sup>rd</sup> Dec 26</b>				
<b>Winter Break- 28<sup>th</sup> Dec - 8<sup>th</sup> Jan 27</b>				

### SYLLABUS FOR ASSESSMENT

Exam	Test Date	Syllabus
UNIT TEST	29.04.26	Ch 1(till decomposition reaction), Ch5 Life Processes(Nutrition) Ch. 9: Light , Reflection and Refraction ( reflection)
PERIODIC TEST 1	03.08.26	Chem- Ch 1 (Chemical reactions and equations) Bio- Ch 5 (Nutrition, Respiration) Ch. 9: Light, Reflection and Refraction. (Refraction) Ch. 10: Human eye and the colourful world
PERIODIC TEST 2	21.09.26	Chem- Ch 1 Chemical reactions and equations) Ch 2- Acids ,Bases and salts Bio- Ch 5,6 Ch.9: Light, Reflection and Refraction. Ch.10: Human eye and the colourful world. Ch. 11: Electricity.
PERIODIC TEST 3 (PRE BOARD 1)	30.11.26	Chem-Ch-1,2,3,4 Bio- Ch-5 ,6,7,8,13 Physics: Ch- 9 ,10, 11, 12.
PRE BOARD 2 EXAMINATION	14.12.26	Chem-Ch-1,2,3,4 Bio- Ch-5 ,6,7,8,13 Physics: Ch- 9 ,10, 11, 12.