

**BASAVA INTERNATIONAL SCHOOL
SYLLABUS BREAKUP SESSION 2026-27**

**CLASS X
SUBJECT-SCIENCE**

S.NO.	DURATION	NO. OF TEACHING DAYS	THEORY	PRACTICAL/ ACTIVITY
1	18 th Mar –28 th Mar	6	CH -1 Chemical reactions and Equations CH - 9 Light Reflection and Refraction	Performing and observing the following reactions and classifying them into: a) Combination reaction b) Decomposition reaction c) Displacement reaction d) Double displacement reaction <ul style="list-style-type: none"> • Action of water on quicklime • Action of heat on ferrous sulphate crystals • Iron nails kept in copper sulphate solution • Reaction between sodium sulphate and barium chloride solutions.
2	1 st Apr-15 th Apr	9	CH – 9 Light (Cont.) CH-5 Life Processes	Determination of the focal length of: a) Concave mirror b) Convex lens by obtaining the image of a distant object.
3	16 th Apr-30 th Apr	13	CH-5 Life Processes (Cont.) CH – 9 Light Reflection and Refraction (Cont.)	Preparing a temporary mount of a leaf peel to show stomata.
4	1 st May- 15 th May	12	CH- 5 Life Processes (Cont.) CH –9 Light Reflection and Refraction (Cont.)	Experimentally show that carbon dioxide is given out during respiration.
5	16 th May – 22 nd May	5	Ch- 2 Acids, bases and Salts	A. Finding the pH of the following samples by using pH paper/universal indicator: a) Dilute Hydrochloric Acid b) Dilute NaOH solution c) Dilute Ethanoic Acid solution d) Lemon juice e) Water f) Dilute Hydrogen Carbonate solution B. Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with: a) Litmus solution (Blue/Red) b) Zinc metal c) Solid sodium carbonate

SUMMER VACATION : 23RD MAY TO 30TH JUNE

6	1 st July- 15 th July	11	Ch- 3 Metals and Non Metals Ch- 10 The Human eye and colourful world	Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions: a) ZnSO ₄ (aq) b) FeSO ₄ (aq) c) CuSO ₄ (aq) d) Al ₂ (SO ₄) ₃ (aq) Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.
7	16 th July-31 st July	14	Ch-6 Control and Coordination Ch- 10 The Human eye and colourful world	1.Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides. 2. Tracing the path of the rays of light through a glass prism.
8	1 st Aug- 15 th Aug	10	Ch.7 – How Do Organisms Reproduce? Ch- 10 The Human eye and colourful world (Cont.)	1. Identification of the different parts of an embryo of a dicot seed (pea, gram or red kidney bean) 2. Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.
9	16 th Aug- 31 st Aug	11	Ch-11 Electricity Ch-13 Environment Ch-8 Heredity	1.Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I. 2.Determination of the equivalent resistance of two resistors when connected in series and parallel.
10	1 st Sept-10 th Sept	8	REVISION	

TERM 1 EXAMINATION

11	1 st Oct- 15 th Oct	11	Ch-11 Electricity (Cont.) Ch-4 Carbon and its compounds	Study of the following properties of acetic acid (ethanoic acid): a) Odour b) solubility in water c) effect on litmus d) reaction with Sodium Hydrogen Carbonate
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AUTUMN BREAK 17th October to 20th October

12	21 st Oct-5 th Nov	10	Ch-4 Carbon and its compounds (Cont.) Ch-12 Magnetic Effects of Electric Current	Study of the comparative cleaning capacity of a sample of soap in soft and hard water.
Diwali Break 6th Nov -11th Nov				
PRE BOARD 1				
13	12 th Nov- 30 th Nov	11	Revision	
PRE BOARD II				
WINTER VACATION : 31st Dec - 14 th Jan,2027				

SYLLABUS FOR ASSESSMENT

EXAM	DATE	SYLLABUS
UNIT TEST 1	JULY 06 ,2026	Ch-1 Chemical Reactions and Equations Ch -2 Acids, bases and Salts Ch-5 Life Processes Ch-9 Light – Reflection and Refraction
TERM I EXAMINATION	SEPTEMBER 2026	Ch -1 Chemical Reactions and Equations Ch-2 Acids, bases and Salts Ch -3 Metals and Non Metals Ch-5 Life Processes Ch -6 Control and coordination Ch-9 Light – Reflection and Refraction Ch- 10 Human Eye and Colourful World Ch -13 Our Environment
PRE BOARD 1 EXAMINATION	NOVEMBER 2026	Full Syllabus
PRE BOARD 2 EXAMINATION	DECEMBER 2026	Full Syllabus