**NAVY CHILDREN SCHOOL,DELHI**

**UPDATED SPLIT UP BASED SYLLABUS FOR ACADEMIC YEAR 2024-2025 CLASS X**

**SCIENCE**

| **MONTH** | **CHAP. NO** | **CHAPTER NAME** | **SUGGESTED ACTIVITIES** |
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|  |  | **TERM 1** |  |
| **APRIL****TO****JUNE** | CH-1 | CHEMICAL REACTIONS AND EQUATIONS | * Performing and observing the following reactions and classifying them into:

A. Combination reaction B. Decomposition reactionC. Displacement reactionD. Double displacement reaction:(i) Action of water on quicklime (ii)Action of heat on ferrous sulphate crystals1. Iron nails kept in copper sulphate solution
2. Reaction between sodium sulphate and barium chloride solutions.
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|  |  CH-6 | LIFE PROCESSES (Nutrition and respiration) | * Preparing a temporary mount of leaf peel to show stomata**.**
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|  |  |  | * Experimentally show that carbon dioxide is given out during respiration.
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|  | CH-10 | LIGHT REFLECTION AND REFRACTION |  |
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| JULY |  CH-5CH-6CH-2CH-9CH-10 | LIFE PROCESSES (CONTD.)CONTROL & COORDINATION ACIDS BASES AND SALTSLIGHT REFLECTION AND REFRACTION (CONTD.)HUMAN EYE AND THE COLOURFUL WORLD (FULL CHAPTER) | * Conduct an experiment to show photo-tropism , geotropism
* Studying the properties of acids bases and salts**.**
* . Finding the pH of different samples by using pH paper/universal indicator. :
	1. Dilute Hydrochloric Acid
	2. Dilute NaOH solution
	3. Dilute Ethanoic Acid
	4. Lemon juice
	5. Water

 (vi)Dilute Hydrogen Carbonate* Focal length of concave mirror and convex lens
* Refraction of light through glass slab**.**
* Image formation in convex lens**.**
* Tracing the path of the rays of light through a glass prism
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| AUGUST | CH- 3CH-6CH-13CH-11  | METALS AND NON- METALSCONTROL AND COORDINATION (CONTD.)OUR ENVIRONMENT ELECTRICITY | * Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions: (i)ZnSO4(aq)

(ii) FeSO4(aq) (iii)CuSO4(aq) (iv)Al2 (SO4)3(aq)* Make a chart of energy transfer in various tropic level.
* Verification of Ohm’s law
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| SEPTEMBER | CH-4CH-7 CH-11 | CARBON AND ITS COMPOUNDSHOW DO ORGANISMS REPRODUCE?ELECTRICITY(CONTD.) | * Study of the comparative cleaning capacity of a sample of soap in soft and hard water
* Studying binary fission in amoeba, and budding in yeast and hydra with the help of prepared slides
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| OCTOBER**Syllabus completion by last week of October**  | CH-4CH-7CH-8CH-12  | CARBON AND ITS COMPOUNDSHOW DO ORGANISMS REPRODUCE?HEREDITY MAGNETIC EFFECTS OF ELECTRIC CURRENT | * Studying the properties of Acetic acid
* Identification of different parts of an embryo of a dicot seed (Pea, gram or red kidney bean)
* Combination of resistors
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| NOVEMBER |  | * Revision for Pre board exam

 **First Preboard**  |  |
| DECEMBER |  |  **Second Preboard** |  |
| JANUARY |  | Revision for board exam |  |
| FEBRUARY |  | (REVISION FORBOARD EXAMINATION) | **ANNUAL EXAMINATION** |
| MARCH |  | BOARD EXAMINATION 24-25  |