# **ASSAM RIFLES PUBLIC SCHOOL, PALLEL HQ 26 SECTOR**

SPLIT-UP SYLLABUS FOR ACADEMIC YEAR 2023-24

CLASS: IX SUBJECT: SCIENCE

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| **MONTH** | **CHAPTER**  **NO** | **CHAPTER NAME** | **LABACTIVITIES** |
| April | 1 | Matter in our surroundings | Determination of melting point of ice and boiling point of water. |
| 7 | Motion |  |
| June | 1  2 | Matter in our surroundings (contd.)  Is matter around us pure. | Separating the components of a mixture of ammonium chloride, common salt and sand |
| 5 | Fundamental unit of life. | Preparation of stained temporary mounts of onion peel, (b) human cheek cells, observations and draw their labeled diagrams |
| JULY | 2 | Is matter around us pure? (contd.) | Studying the properties of a true solution, a colloid and suspension  Studying the properties of a mixture and compound  Performing the given reactions and classifying them as physical or chemical changes |
| 5 | The fundamental unit of life. (contd.) |  |
| 8 | Force and laws of motion. |  |
| AUGUST | 6 | Tissue | Identification of Parenchyma, collenchymas and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibers and nerve cells in animals, from prepared slides. Draw their labeled diagrams. |
| 8 | Force and laws of motion (contd.) |  |
| EPTEMBER | REVISION AND HALF YEARLY EXAMINATION | | |

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| OCTOBER | 3 | Atom and molecules |  |
|  | 9 | Gravitation | Density and Verification of Archimedes’ principle |
| November | 3 | Atoms and molecules (contd.) |  |
| 9  10 | Gravitation (contd.)  Work and energy | Verification of law of conservation of mass |
| 12 | Improvement in food resources. |  |
| December | 4 | Structure of atom |  |
| 10 | Work and energy (contd.) | Velocity of a pulse |
| 12 | Improvement in food resources (contd.) | Study of the external feature soft root, stem, leaf and flower of monocot and dicot plants |
| JANUARY | 4 | Structure of atom |  |
| 11 | Sound | Verification of Laws of reflection of Sound |
| FEBRUARY |  | REVISION |  |