ASSAM RIFLES PUBLIC SCHOOL, PALLEL HQ 26 SECTOR

SPLIT-UP SYLLABUS FOR THE ACADEMIC YEAR 2023-24

CLASS-VII SUBJECT: SCIENCE

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| **TERM 1** | | | | | | |
| **MONTH** | | **CHAPTER**  **NO** | **CHAPTER NAME** | | | **ACTIVITIES** |
| APRIL | | 1 | Nutrition in Plants | | | Observe any saprophyte (Mushroom) / parasite (Cuscuta) and note down the differences from a greenplant.  Water a piece of bread andkeep it in a warm place for 2 to 3 days and record yourobservations. |
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| 2 | Nutrition in Animals | | | Make a note on the methods of food intake by differentanimals aroundyou.  Action of saliva onstarch. |
| JUNE | | 3 | Heat | | | Measure the bodytemperature of your family members with a clinical thermometer. Record yourobservations.  Practical applications of conduction and Role of convection currents in dailylife. |
| JULY | 4 | | | Acids, Bases and Salts | Collect solutions of common substances like sugar, salt, vinegar, lime juice etc. and observe their acidic or basic nature with turmeric/litmus/ chinarose.  Observing the acidic and basic nature of some chemicals using phenolphthalein indicator. | |
| 5 | | | Physical and  Chemical Changes | List 5 changes that you observe in your daily life. Classify them as physical and chemical changeand also as reversible and irreversible change. Then, find whether this change is useful for us or not. If it is useful, then mention how this change isuseful.  Reaction of baking sodaand vinegar to formvolcano. | |

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|  | 6 | | Respiration in Organisms | Find breathing rate under different conditions like sleeping, walking,running. | |
| AUGUST | 6  (Cont..) | | Respiration in organisms  (cont..) | Preparation of a model toshow the mechanism of breathing by using plastic bottle,balloons | |
|  | 9 | | Motion and time | Measure the time period ofa simple pendulum.  Measurement of speed by walking and running bythe students. | |
| **SEPTEMBER** | | | **REVISION FOR HALF YEARLY EXAMINATION** | | |
| **TERM 2** | | | | | |
| OCTOBER | | 7 | Transportation in plants and animals. | | Make a model of a stethoscope.  Transportation of water in a stem-Demonstration |
| OCTOBER/ NOVEMBER | | 8 | Reproduction in Plants | | Demonstration-vegetative reproduction in potato and bryophyllum leaf.  Collect various types of fruits, split them open and examine the seeds within. Note the characteristics. |
| 10 | Electric Current and  its Effects | | Electric circuit using wire, cell and bulb  Heating effect/ magnetic effect of electric current. |
| DECEMBER | | 11 | Light | | Image formation by spherical mirrors and lenses.  Newton’s Disc |
| JANUARY  2024 | |  | Forests: Our Lifeline | | Make a poster showing negative impacts of deforestation.  Collect and paste the pictures of trees having different types of crowns. |
|  | |  | Wastewater Story | | Tracing the route of sewage in your building.  Discuss with grandparents and other elderly people in your neighborhood about sewage disposal systems of olden times. |
| **FEBRUARY** | | **REVISION** | | | |