

 ANNUAL PLAN – 2022-2023

 SCIENCE – GRADE VII

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| Month | Chapter | Theory classes | Practical classes | Activities |
| June | 1.Nutrition in plants3.Structure of matter | 10 | 2 | \*Light is necessary for photosynthesis\*Difference in the properties of compound and mixture |
| July | 2.Nutrition in Animals4.Animal fibres5.Heat and its effects | 12 | 2 | \*Working of Oesophagus\*Collecting samples of various clothes and identifying the fibre\*Measuring the temperature of hot water |
| August | 6.Flow of heat7.Acids,bases and salts9.Weather,climate and adaptation | 12 | 3 | \*Process of Conduction\*Litmus test for base and acid\*Studying weather changes |
| September | 8.Physical and chemical changes10.Soil11.Respiration | 12 | 3 | \*Preparation of co2 in laboratory\*Proportion of components in garden soil\*Making a model of mechanism of breathing in lungs. |
| October | 12.Transportation of materials in plants and animals14. Motion and Time | 10 | 2 | \*Experimental investigation of transpiration\*Calculating Time period of simple pendulum |
| November | 13.Reproduction in plants16.Light19.Our forests | 12 | 3 | \*Experimental verification of vegetative reproduction in plants\*Rectilinear propagation of light\*Newton’s Rings\*Preparation of chart showing products obtained from forests |
| December | 15. Winds, Storms and cyclones | 5 | 1 | \*Experimental verification of Air expands on heating and contracts on cooling |
| January | 17.Electric current and its effects18.Water – a natural resource20.Wastewater management | 13 | 2 | \*Electric current produces heat and magnetic effects\*Study of rainfall map of India\*Tracing the flow of wastewater in and around home |
| February | Revision |  |  |  |
| March  | Annual exam |  |  |  |
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