**VIII - Science 8th (2025-26)**

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| MONTH | W.D | PERIODS | CHAPTER | ACTIVITIES | ASSIGNMENT |
| APRIL | 22 | 11    11 | **2. Micro-organisms- Friends Foes**  **1. The Cell- its Structure and function** | i)Survey to find out the cause ,symptoms and preventive measures of diseases Typhoid & Malaria  ii)Debate  i) Preparation of Onion peel mount  ii) Comparative study of plant & animal cell using charts  iii)Role play | Make a chart on use of natural and chemical preservatives in different food items.  Observe microorganisms in your kitchen  Worksheet  Collect the labels from the bottles of Jams and Jellies. Enlist the preservatives mentioned on labels.  i) Worksheet  ii) Prepare a Jigsaw Puzzle on plant cell/ Animal cell. |
| MAY | 24 | 9  7  8 | **4. Force and Pressure**  **5.Friction**  **8.Conservation of plants and animals** | i)Group activity to show the effects of force ,pressure in daily life.  ii) To study the properties of liquid pressure.  i) To study effect of friction in daily life.  i)Poster making  ii)Debate on topic “Development vs Conservation” | Worksheet on nature and kind of forces , use of atmospheric pressure in our daily life  Make a report on how pressure and force is applied on real life objects like knives, shoes and vehicles.  To study friction on different surfaces by sliding toy car on different surfaces  Planting a tree and tracking the growth of sapling.  Mark and label major national parks and sacturies of India on physical map  Interview family or community about local conservation efforts and make them aware about the same. |
| JULY | 24 | 7  10  7 | **6. Sources of Energy**  **16.Electric Current and its Chemical Effects**  **3. Metals and Non metals** | Videos related to fuels and energy generation  Testing conductivity of various solutions  To demonstrate chemical properties. | Maintain a week long diary to track daily energy usage at home and suggest ways to save them.  Workshop  Worksheets  Collect different articles and classify them as metals and non-metals. |
| AUGUST | 22 | 7  7  8 | **13. Synthetic Fibres and Plastics**  **17.Stars and Solar System**  **7.Combustion** | To study material made up of Thermoplastic & thermosetting  Presentation on stars and solar system by students  i)To demonstrate that oxygen is necessary for combustion.  ii) To study Zones of candle flame | Worksheet  Worksheet &  Collection of different types of fibres and compare their properties.  Worksheets  Kitchen visit  Worksheets |
| **SEPTEMBER -** | **REVISION & EXAMS** | | | | |
| OCTOBER | 19 | 8  7  4 | **15. Reaching the age of adolescence**  **10.Refraction and Dispersion of Light**    **20. Pollution of Water** | Group discussion  i)To show refraction  ii)To study the formation and nature of the image ,using lenses  Survey of nearby locality regarding the type of filters used by people to purify water.  Poster making | Worksheet  Make a chart of endocrine system  Ask elders about their adolescence experiences  Worksheet  Worksheet |
| NOVEMBER | 22 | 7  8  7 | **11. The Human Eye**  **12. Sound**  **9. Crop production and its management** | i) To Study human eye with model of eye.  ii) Survey on defects of vision.  i) To show propagation of sound through water.  ii) To study human ear with model of ear.  Visit to a nearby firm. | Worksheet  Worksheet  Worksheet |
| DECEMBER | 24 | 10  9  7 | **14. Reproduction in Animals**  **19. Pollution of Air**  **18.Earthquake** | Visit to a poultry farm  Group discussion  & Presentations  Poem recitation  PPT | Make a chart of life cycle of frog.  Worksheet  Worksheet |
| January | Revision & Exams | | | | |
| February | Revision & Exams | | | | |

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| **SYLLABUS** | |
| **1st UNIT TEST** | **Chapter- 1** |
| **2nd UNIT TEST** | **Chapter- 4&2** |
| **Preboard Exams** | **Chapter­- 1,3,10,11,12,13,14,17,20** |
| **Board Exams** | **Chapters-1,3,10-15,17,20+ Rpted chapters (to be decided by the board)** |

**Blue Print**

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| **Unit Exam** | **Marks** |
| Very Short Answer Type Questions | 4\*1=4 |
| Short Questions | 2\*3=6 |
| Total Marks | 10 |

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| Sr No. | Typology | No. of Questions | Marks allotted to each question | Total Marks |
| 1. | MCQ | 16 | 1 | 16 |
| 2. | A/R | 4 | 1 | 4 |
| 3. | SAI | 6 | 2 | 12 |
| 4. | SAII | 7 | 3 | 21 |
| 5. | Long Answer | 3 | 5 | 15 |
| 6. | Case Based | 3 | 4 | 12 |
| Total |  | 39 |  | 80 |