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|  SUBJECT: Science | **SYLLABUS FOR THE ACADEMIC YEAR 2021-2022** |
| OPTION: Chemistry |
|  GRADE: 9 |
| Month  | Date | No.of days | Topics | Sub Topics | Lead |
|
| April |  11-15 | 5 | Matter in our surroundings | Physical nature of matter, Characteristics particles of matter | LAISA.K |
| 18-22 | 5 | Matter in our surroundings | States of Matter ( solids,liquids & gas ) |
|  25-29  | 5 | Matter in our surroundings | Properties of matter |
| May |  2-6 | 5 | Matter in our surroundings | Effect of pressure and temperature |
|  9-13 | 2 | Matter in our surroundings | Evaporation |
|  16-20 | 5 | Matter in our surroundings | Factors affecting evaporation |
|  23-27 | 5 | Is matter around us pure | Mixture&pure substance, Types of mixtures |
|  30-31 | 2 | Is matter around us pure | Solution, Concentration of solution |
| June |  1-3 | 3 | Is matter around us pure | Suspension,Properties of suspension&Colloidial solution |
|  6-10 | 5 | Is matter around us pure | Seperating the components of a mixture,Seperation of two immiscible liquids |
|  13- 17 | 5 | Is matter around us pure | Seperation of two miscible liquids |
| 20-24 | 5 | Is matter around us pure | Seperation of components of air |
| 27-30 | 4 | Is matter around us pure | Physical and chemical changes |
| August | 29-31 | 3 | Atoms and molecules | Laws of Chemical combination |
| September |  1-2 | 2 | Atoms and molecules | Law of constant propotion |
|  5-9 | 5 | Atoms and molecules | Dalton's atomic theory |
|  12-16 | 5 | Atoms and molecules | Atoms & Symbols |
| 19- 23 | 5 | **Revision** |
| 26- 30 | 5 | **First Semester Examination**  |
| October |  3-7 | 5 | **First Semester Examination**  |
| 10 14 | 5 | Atoms and molecules | Atomic mass  |
| 17 -21 | 4 | Atoms and molecules | How do atom exists |
| 24-28 | 5 | Atoms and molecules | Molecules |
| November |  1- 4 | 4 | Atoms and molecules | Molecules of elements |
|  7-11 | 5 | Atoms and molecules | Molecules of compounds |
|  14- 18 | 5 | Atoms and molecules | ion |
| 21-25 | 5 | Atoms and molecules | Writing Chemical formula |
| 28-30 | 3 | Atoms and molecules | Writing Chemical formula..Continuation |
| December |  5-9 | 5 | Atoms and molecules | Mole concept |
| January |  2-6  | 5 | Atoms and molecules | Class Test, Solving textual exercise |
|  9-13 | 5 | Structure of the atom | Thomson's Model of atom |
| 16-20 | 5 | Structure of the atom | Rutherford's model of atom and drawbacks |
| 23-27 | 4 | Structure of the atom | Bohr's model of atom, neutrons |
| 30-31 | 2 | Structure of the atom | Shells |
| February |  1-3 | 3 | Structure of the atom | Valency |
|  6-10 | 5 | Structure of the atom | Atomic number and Mass number |
|  13-17 | 4 | Structure of the atom | Isotopes and isobars |
|  20-24 | 5 | Structure of the atom | Class Test, Solving textual exercise |
|  27-28 | 2 | **Revision** |
| March |  1-3 | 3 | **Revision** |
|  6-10 | 5 | **Annual Examination** |
|  13-17 | 5 | **Annual Examination** |