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| SUBJECT: Science | **SYLLABUS FOR THE ACADEMIC YEAR 2021-2022** |
|  OPTION: Chemistry |
| GRADE: 10 |
| Month  | Date | No.of days | Topics | Sub Topics | Lead |
|
| April |  11-15 | 5 | Periodic table&Electronic configuration | Sub shells & Electron filling | LAISA.K |
| 18-22 | 5 | Periodic table&Electronic configuration | Characteristics of different blocks elements |
|  25-29  | 5 | Periodic table&Electronic configuration | How to find the oxidation state of elements |
| May |  2-6 | 5 | Reactivity series & Electro chemistry | Reaction of metals with water, air & acids |
|  9-13 | 2 | Reactivity series & Electro chemistry | Reactivity series &Displacement reactions |
|  16-20 | 5 | Reactivity series & Electro chemistry | Galvanic cells |
|  23-27 | 5 | Reactivity series & Electro chemistry | Electrolytic cells,Electrolysis of Sodium chloride |
|  30-31 | 2 | Reactivity series & Electro chemistry | Electrolysis |
| June |  1-3 | 3 | Reactivity series & Electro chemistry | Electroplating |
|  6-10 | 5 | Reactivity series & Electro chemistry | Electroplating Continuation |
|  13- 17 | 5 | ***First Term Examination*** |
| 20-24 | 5 | ***First Term Examination*** |
| 27-30 | 4 | Production of Metals | Introduction |
| August | 29-31 | 3 | Production of Metals | Minerals and Ores |
| September |  1-2 | 2 | Production of Metals | Concentration of Ores |
|  5-9 | 5 | Production of Metals | Extraction of Metals |
|  12-16 | 5 | Production of Metals | Refining of Metals |
| 19- 23 | 5 | Production of Metals | Industrial Preparation of Iron, Different types of alloys |
| 26- 30 | 5 | Production of Metals | Extraction of Aluminium |
| October |  3-7 | 5 | Gas Laws &Mole concept | Volume, Pressure and Temperature |
| 10 14 | 5 | Gas Laws &Mole concept | Boyle's Law |
| 17 -21 | 4 | Gas Laws &Mole concept | Charle's Law |
| 24-28 | 5 | Gas Laws &Mole concept | Volume and number of molecules |
| November |  1- 4 | 4 |   | Revision |
|  7-11 | 5 | ***Second Term Examination*** |
|  14- 18 | 5 | ***Second Term Examination*** |
| 21-25 | 5 | Gas Laws &Mole concept | Relative atomic mass, Gram atomic mass |
| 28-30 | 3 | Gas Laws &Mole concept | mole, Relation between volume of a gas and moles |
| December |  5-9 | 5 | Compounds of Non metals | Preparation of Ammonia |
| January |  2-6  | 5 | Compounds of Non metals | Chemical equilibrium, Le chatlier Principle |
|  9-13 | 5 | Compounds of Non metals | Industrial preparation of sulphuric acid, Organic compounds (1&2)(SPECIAL CLASS) |
| 16-20 | 5 | ***Premodel Examination*** |
| 23-27 | 4 | ***Premodel Examination*** |
| 30-31 | 2 | ***Revision*** |
| February |  1-3 | 3 | ***Revision*** |
|  6-10 | 5 | ***Revision*** |
|  13-17 | 4 | ***S.S.L.C Model Examination*** |
|  20-24 | 5 | ***S.S.L.C Model Examination*** |
|  27-28 | 2 | ***Study holidays*** |
| March |  1-3 | 3 | ***Study holidays*** |
|  6-10 | 5 | ***S.S.L.C Board Examination*** |
|  13-17 | 5 | ***S.S.L.C Board Examination*** |