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|  SUBJECT: Science | **SYLLABUS FOR THE ACADEMIC YEAR 2021-2022** |
|  OPTION: Biology |
|  GRADE: 9 |
| Month | Date | No.of days | Topics | Sub Topics | Lead |
|
| April |  11-15 | 5 | ………………………….. | Introduction Diagnostic test | Ms.Sulfath Ms.Savitha |
| 18-22 | 5 | Chapter 5 The Fundamental Unit of Life | Discovery of cell, Plasma membrane |
|  25-29  | 5 | Chapter 5 The Fundamental Unit of Life | Cell wall , Nucleus |
| May |  2-6 | 5 | Chapter 5 The Fundamental Unit of Life | Cytoplasm, Cell organelles- Endoplasmic Reticulum ,Golgi apparatus, Lysosomes, Mitochondria |
|  9-13 | 2 | Chapter 5 The Fundamental Unit of Life | Plastids, Vacuoles, Cell Division  |
|  16-20 | 5 | Chapter 5 The Fundamental Unit of Life | Lesson Review, MCQ & Class test |
|  23-27 | 5 | Chapter 6 Tissues  | Are Plants and Animals Made of Same Types of Tissues? Plant Tissues- Meristematic Tissue |
|  30-31 | 2 | Chapter 6 Tissues  | Plant Tissues- Permanent Tissue :-Simple Permanent Tissue |
| June |  1-3 | 3 | Chapter 6 Tissues  | Complex Permanent Tissue,, Animal Tissues-Epithelial Tissue |
|  6-10 | 5 | Chapter 6 Tissues  | Connective Tissue, Muscular Tissue |
|  13- 17 | 5 | Chapter 6 Tissues  | Nervous Connective Tissue, Lesson Review |
| 20-24 | 5 | Chapter 6 Tissues  | Lesson Review, MCQ & Class test |
| 27-30 | 4 | Chapter 7 Diversity in Living Organisms | Introduction, What is the Basis of Classification?  |
| August | 29-31 | 3 | Chapter 7 Diversity in Living Organisms | Lesson Review,Classification and Evolution |
| September |  1-2 | 2 | Chapter 7 Diversity in Living Organisms | The Hierarchy of Classification- Groups, Monera, Protista,  |
|  5-9 | 5 | Chapter 7 Diversity in Living Organisms | Fungi, Plantae, Animalia- The Five Kingdom Classification Thallophyta, Bryophyta, Pteridophyta |
|  12-16 | 5 | Chapter 7 Diversity in Living Organisms |  Gymnosperm, Angiosperms, Class test |
| 19- 23 | 5 | **Revision** |
| 26- 30 | 5 | **First Semester Examination**  |
| October |  3-7 | 5 | **First Semester Examination**  |
| 10 14 | 5 | Chapter 7 Diversity in Living Organisms | Animalia, Porifera, Coelenterara, Platyhelminthes, Nematoda, Annelida, Arthropoda  |
| 17 -21 | 4 | Chapter 7 Diversity in Living Organisms | Mollusca, Echinodermata, Protochordata, Vertebrata- Cyclostomata, Pisces, Amphibia,  |
| 24-28 | 5 | Chapter 7 Diversity in Living Organisms |  Reptilia, Aves, Mammalia , Lesson Review, MCQ |
| November |  1- 4 | 4 | Chapter 13 Why Do We Fall Ill? | Introduction, Health and its failure |
|  7-11 | 5 | Chapter 13 Why Do We Fall Ill? | Disease and its causes |
|  14- 18 | 5 | Chapter 13 Why Do We Fall Ill? | Infectious Diseases |
| 21-25 | 5 | Chapter 13 Why Do We Fall Ill? | Infectious Diseases- Cont… |
| 28-30 | 3 | Chapter 13 Why Do We Fall Ill? | Lesson Review, MCQ & Class test |
| December |  5-9 | 5 | Chapter 15- Improvement in Food Resources | Improvement in Crop Yields, Crop Variety Improvement |
| January |  2-6  | 5 | Chapter 15- Improvement in Food Resources | Crop Production Management- Nutrient Management- Manure, Fertilizers , Irrigation |
|  9-13 | 5 | Chapter 15- Improvement in Food Resources | Cropping Patterns, Crop Production Management, Storage of Grains |
| 16-20 | 5 | Chapter 15- Improvement in Food Resources | Animal Husbandry- Cattle Farming, Poultry Farming, Egg and Broiler Production, Bee Keeping |
| 23-27 | 4 | Chapter 15- Improvement in Food Resources | Fish Production-Marine Fisheries, Inland Fisheries Lesson Review |
| 30-31 | 2 | Chapter 15- Improvement in Food Resources | Class Test  |
| February |  1-3 | 3 | Chapter 14- Natural Resources | The Breath of life- Air, Water :-A Wonderful Liquid |
|  6-10 | 5 | Chapter 14- Natural Resources | The Mineral Rich in the Soil, Biogeochemical Cycles, The Water Cycle. |
|  13-17 | 4 | Chapter 14- Natural Resources | The Nitrogen Cycle, The Carbon Cycle, The Green House Effect |
|  20-24 | 5 | Chapter 14- Natural Resources | The Oxygen Cycle, Ozone layer , Lesson Review |
|  27-28 | 2 | **Revision** |
| March |  1-3 | 3 | **Revision** |
|  6-10 | 5 | **Annual Examination** |
|  13-17 | 5 | **Annual Examination** |