

## YEAR PLAN 2021-22 (Monthly Break-up)

### Textbook for Class VIII Science (NCERT)

**SUBJECT: SCIENCE**

**GRADE: 8**

**TEACHER: JIJI ABRAHAM**

| JUNE  | JULY   | AUGUST-SEPTEMBER  | SEPTEMBER-OCTOBER  | OCTOBER-NOVEMBER  |
|---|--|---|--|---|
| <p>Crop production and management</p> <p>SE- Methods of irrigation</p> <p>AI- Make a poster to create awareness on the effects of Endosulfan pesticide.</p> <p>Assessment - Quiz</p>  | <p>Ch.2 Microorganism: Friend and foe.ch.3 Synthetic fibres and plastics</p> <p>SE-Over use of antibiotics without the prescription of the doctor .Bad effects of Endosulfan</p> <p>AI-To draw diagrams of different microorganisms. Collection of varied fibres and creatively presenting -A4 sheet</p> | <p>Ch.4Metals and Non-metals, Ch.5 coal and Petroleum</p> <p>Construct Mind Map</p> <p>AI-Draw the structure of the atom and label its parts, represent the same in an A4 paper as a 3D model. Assignment --on formation of coal.</p> <p>SE-Draw labelled diagram/ flow charts related to fractions</p> | <p>Ch.6Combustion and flame,Ch.7 cell structure and Function</p> <p>SE-Relate the process that causes deterioration of monuments with acid rain</p> <p>Make a model of flame</p> <p>AI-Differentiate between plant cell and animal cell through diagram</p> <p>Assessment: class test</p>  | <p>Ch.9 Reproduction in animals, Ch.10Reaching the age of adolescence</p> <p>SE- Make a Comparative study about Tissue culture and cloning</p> <p>AI- Draw graphs showing height and age for both boys and girls on the graph paper</p> |
| NOVEMBER  | DECEMBER   | JANUARY   | FEBRUARY   | MARCH   |
| <p>Ch.11 Force and Pressure,Ch.12 Friction</p> <p>Friction- A necessary evil or good / virtuous (Debate)</p> <p>SE-- Quiz based on Effects of force</p> <p>Group discussion- Explore and talk - if friction suddenly vanishes, how would life be affected? How large the magnitude of the atmospheric pressure in</p> | <p>Ch.13 Sound</p> <p>SE-Demonstration of any simple Activity based on Sound by each student</p> <p>AI- Draw the pictures of musical instruments which were used in olden days</p> <p>Make a historical study of Golconda fort (Peculiarity of Dome)</p>   | <p>Ch.14 Chemical effects of electric current</p> <p>Draw labelled diagram of Experimental set up for the electrolysis of water</p> <p>SE- Advantages of LEDs</p> <p>Project- Health concerns associated with chromium plating.</p>   | <p>Ch.15Some natural Phenomina,Ch.16 Light</p> <p>AI-To collect beautiful photos or pictures from magazines/ newspapers/ any other books , which highlights the beauty and magic of various phenomenon's of light.</p> <p>SE-To make acrostics using the words REFLECTION and REFRACTION</p> <p>P-Make a simple electroscope</p> | <p>Ch.17Pollution of air and water</p> <p>SE-Prepare Collage on pollution</p> <p>Seminar on topic of pollution</p>  |