



<p>*Acids, bases and salts</p>	<p>1.MCQ(practical based)</p> <p>2.Activity –individual</p> <p>3 Group discussions on neutralization in everyday life.</p> <p>4.Find out the nature of the soil using pH paper</p>	<p>1. Interpretation, testing practical skills.</p> <p>2. Confident, observation, drawing conclusions.</p> <p>3. Active participation, communication skill, listening skill, critical thinking.</p> <p>4.Observation drawing conclusions</p>
<p>*Physical and chemical changes</p>	<p>1. Individual activity-lime water turns milky</p> <p>2.Group activity</p> <p>3.Collect the information about the types of fuels used for cooking</p>	<p>1Observation, recording, inferring, drawing conclusions.</p> <p>2. Team spirit, peer related behaviour, social life skill.</p> <p>3.Collaborative skill</p>
<p>*Weather climate and adaptation of animals to Climate</p>	<p>1. Collection of weather reports from news paper.</p> <p>2. Graph showing variation of maximum temperature during 12 August to 20<sup>th</sup> August.</p> <p>3. Flow chart on adaptation of penguin/polar bear.</p> <p>4. Collect information about migratory birds/tropical rainforests.</p>	<p>1.Data collection, interpretation</p> <p>2.critical thinking</p> <p>3. Spatial skill, learner’s abilities and thoughts.</p> <p>4. Data collection, interpretation.</p>
<p>*Wind, storms and cyclones</p>	<p>1. Model of anemometer –group activity</p> <p>2. Collect articles and photographs from news papers and magazines about storms and cyclones.</p> <p>3.Quiz</p>	<p>1. Motor skills, practical application skills, opportunity to work in group.</p> <p>2. Data collection, analyse, organizes and interprets and draws generalization.</p> <p>3. Conceptualisation, application, mental alertness, speed.</p>
<p>REVISION</p>	<p style="text-align: center;"><b>II TERM (OCT TO MAR)</b></p>	<p><b>FA I 10</b>  <b>FA II 10</b>  <b>SA I 20</b>  <b>TOTAL 40</b></p>
<p>*Soil</p>	<p>1. Visit to a construction site and observe the soil profile and rooting pattern of plants.</p> <p>2.To find the moisture content of a soil sample.</p> <p>3.crossword puzzle</p>	<p>1. Observational skill, active participation to provide an opportunity to relate and synthesize within and outside classroom learning.</p> <p>2. Inquisitiveness, observation, recording, drawing conclusions.</p> <p>3.Mental alertness, recall</p>
<p>*Respiration in organisms</p>	<p>1. Individual activity on changes in breathing</p> <p>2. Effect of breathing on chest size.</p> <p>3.Model to show mechanism of breathing</p>	<p>1. &amp;2. Observing, recording, inferring.</p> <p>3. Motor skills, logical, coordination, practical application skill.</p> <p>4. Application &amp; interpretation.</p> <p>5. Mental alertness, recall, application.</p> <p>6. Observational skills, interpretation.</p>

<p>*Transportation in animals and plants</p>	<p>4.MCQ 5. Crossword puzzle. 6.Observation of fishes in the aquarium 7. Visit a local doctor. Learn about harmful effects of smoking. 1.Model of stethoscope 2 Group Activity on osmosis 3. Measurement of pulse rate.</p>	<p>7. Information gathering, analyzing, correlates to real life.  1. Motor skills, coordination, logical, practical application. 2.Develop positive attitude towards group work, Share &amp; learn from each other 3. Active participation, learning and assessing.</p>
<p>*Reproduction in plants</p>	<p>1.MCQ 2. Collect vegetative parts of the plant-rose, ginger, potato, bryophyllum and grow them.  3. Observation of permanent slides. 4. observation of pollen, ovary with dissection microscope.  5.Dispersal of seeds.Collection&amp;preparation of herbarium</p>	<p>1. Interpretation, testing practical skills. 2. Organising, deductive reasoning, analyzing.Oppurtunity to search for information construct their own ideas and articulate the same ideas through spoken, written or visual expressions. 3Observational skill, drawing and recording skill. 4. Observational skill, drawing skill.  5. Observation &amp; appreciation of nature, opportunity to explore, work with one's hand.</p>
<p>*Motion and time</p>	<p>1.Oral question 2.Plotting a graph on distance-time 3. Group activity –to calculate the time period of a simple pendulum.  4. Model of a sand clock.</p>	<p>1. Recall, recollect and understand. 2. Critical thinking.  3. Provide an opportunity to work in groups, team spirit, share and learn from each other. 4. Motor skill, practical application skill.</p>
<p>*Electric current and its effects</p>	<p>1. Activity to check how steady our hand is. 2.To make a simple electric circuit 3. Use of CFL's in today's scenario-seminar. 4.Inspect the meter box fitted with fuses/MCB 5.Working model of a railway signal 6. Individual –working model of electromagnet.</p>	<p>1.Inquisitiveness,observation,analyzing,&amp; inferring. 2. Motor skills, practical application skill. 3. Good communication skills, leadership quality, innovative, scientific achievement. 4. Observational skill, understanding, logical thinking. 5. Motor skills, creativity.  6.To work with one's hand, observe and draw conclusion.</p>
<p>*Light</p>	<p>1.Properties of light-individual activity</p>	<p>1. Understanding, logical thinking. 2. Explore, observe, interpret data, draw generalizations. 3.Observational skill, reasoning, analyzing, co relating to real life 4. Practical application skill, motor skill. 5. Collaborative skills.</p>

<p>*Water</p>	<p>2.Reflection of light from a mirror using torch  3.Observe the letters of English alphabets using a plane mirror  4. Model of Newton’s colour disc.  5.Visit to a laughing gallery in some science centre to see distorted and funny image  6.Observation of size, position and nature of image formation by convex lens</p> <p>1. Collection of clippings from news papers and magazines on news items, articles, and pictures related to water shortage. Preparation of a scrap book.  2. Slogan writing/posters.</p> <p>3.Crossword puzzle</p> <p>4.Rain water harvesting - Survey project-  5. Campaign on conservation of water.</p>	<p>6. Critical thinking.</p> <p>1 .Documentation of learners experience, actual recall of events, Provides insight into emotional, social &amp; psychological aspects.  Exhibits creativity, originality.</p> <p>2. Understands events taking place helps to indicate different ways of thinking. Creates awareness.  3. Recall, application, mental alertness.</p> <p>4. Critical thinking, analyzing, interpreting, decision making, collaborative skills.  5. Holistic approach, opportunity for exploring child’s abilities.</p> <p>1. Fluent presentation with appropriate gestures.  2. Motor skills, Provides insight into social, emotional &amp; psychological aspects.</p> <p>3Collection of data and recording.  4.Documentation of learners experience</p>
<p>*Forests –our life line</p>	<p>1. Debate on conservation of plants.  2. Chart on interrelationship of plants, soil and decomposers in a forest-group activity.  3. Make a list of forest products.  4. Scrap book-paste the various shapes of trees.</p>	<p>1. Recall, application, mental alertness.  2. Accuracy, coordination, presentation, critical thinking, collaborative skill.  3. Inquisitiveness, observation, recording, analyzing, inferring, applying, hypothesizing, drawing conclusions.  4. Data collection.</p>
<p>*Waste water story</p>	<p>1.Cross word puzzle  2. Symposium on ecological awareness  3. Group activity on waste water treatment plant.  4. Collect information about sewage disposal system in your neighborhood.</p>	<p><b>FA III 10</b>  <b>FA IV 10</b>  <b>SA II 40</b>  <b>TOTAL 60</b></p>
<p>Revision</p>		