



	April	May	June	July
Content	<b>*Green Plants</b> <b>*How Plants Survive</b>	<b>*Animals and their Young Ones</b> <b>*How Animals Survive</b>	<b>*Food: Our Basic Need</b> <b>* Digestion and Role of Microbes</b>	<b>*Keeping Safe</b>
Learning Outcomes	<b>Students will be able to</b> -Identify the various parts of a leaf -Describe process of making food in plants -Classify some amazingly different organisms.  -Explore plants growing in different areas -Illustrate adaptation in plants -Identify some unusual plants	<b>Students will be able to:</b> -Identify and differentiate between egg laying animals and animals that gives birth to young ones -Describe the structure of an egg -Distinguish between the life cycles of some animals  -Analyze the different features of animals suitable to their adaptations with respect to habitat, food, protection and behavior -Recognise animals in danger.	<b>Students will be able to:</b> -Recognize various components of food and their functions -Analyse a balance diet -Apply their knowledge for using different methods of food preservation  -Recognize different sets, number and types of teeth in humans -Describe a digestive system and process of digestion. -Describe and differentiate about different types of microbes	<b>Students will be able to:</b> -Implement safety measures at home and outside home -Create awareness about first aid
Skills	Cognitive skills: Critical thinking, observation and analysis. Practical and technical skills: Use of tools  Communication skills: Scientific communication, teamwork, listening and interpretation  Emotional and social development: Curiosity and exploration, responsibility and ethics  Academic and career readiness: Scientific literacy	Cognitive skills: Critical thinking, observation and analysis, research skills  Practical and technical skills: Use of tools  Communication skills: Scientific communication, listening and interpretation  Emotional and social development: Curiosity and exploration, responsibility and ethics  Academic and career readiness: Scientific literacy, Interdisciplinary learning	Cognitive skills: Critical thinking, problem solving, observation and analysis, research skills  Practical and technical skills: Data collection and recording  Communication skills: Scientific communication, listening and interpretation  Emotional and social development: Curiosity and exploration, responsibility and ethics  Academic and career readiness: Scientific literacy	Cognitive skills: Critical thinking, observation and analysis.  Practical and technical skills: Data collection and recording  Communication skills: Scientific communication, listening and interpretation  Emotional and social development: Curiosity and exploration, responsibility and ethics  Academic and career readiness: Scientific literacy

<b>Activities</b>	<b>Competency Skill based activities/Experiential learning Activities</b> <b>Lab Activities</b> *To test the presence of starch in green leaves / potatoes. *To show that fungi grow on decaying material *Flow chart on adaptation in plants  <b>(Integration of Subjects- Art and SST)</b>	<b>Competency Skill based activities/Experiential learning Activities</b> *Model on life cycle of animals *Search work on animals Students will observe the animals in their surroundings. Make a list of all egg -laying animals and animals that give birth to their babies. *Search work on endangered animals of India  <b>(Integration of Subjects- Art and IT)</b>	<b>Competency Skill based activities/ Experiential learning Activities</b> *Collect information regarding food preservation methods done at home and make a table. *Prepare a balanced diet chart containing all healthy nutrients *Report on home remedies for stomachache/ toothache  <b>(Integrated with Art)</b>	<b>Competency Skill based activities/ Experiential learning Activities</b> -Make a list of emergency phone numbers - Prepare the first aid box *Demonstration of safety measures by Physical Education's teacher.  <b>(Integrated with Art and Physical Education)</b>
<b>Assessments</b>	<b>Pen – paper test, Observation, Diagrams, Report, Tabular information, Concept map, HOTs, Reasoning questions, Search work, Model, Quiz, Value based questions, C.W and H.W</b>			
	<b>Main Book: Cambridge Science Voyage (Revised Edition)</b> <b>Publisher: Cambridge University Press</b>			



	August/September	October	November	December
Content	<b>*Clothes We Wear</b>  <b>*Solid, Liquid and Gases</b>	<b>*Force, Work and Energy</b>	<b>*The Solar System</b>  <b>*Keeping Our Earth Clean</b>	<b>*Air ,Water and Weather</b>
Learning Outcomes	<b>Students will be able to:</b> -Describe the importance of clothes -Contrast between natural and synthetic fibres -Illustrate the clothes we use in our everyday life -Identify and examine the states of matter -Analyze changing states of matter and describe solute, solvent and solution.	<b>Students will be able to:</b> -Identify the types of forces -Illustrate about the simple machines -Classify different sources of energy	<b>Students will be able to:</b> -Explore about the eight planets and the sun - Describe about satellites ,stars and constellations -Demonstrate rotation and revolution of earth.  -Differentiate between air, water and land pollution. -Analyze the effect of human activities and follow steps to avoid pollution in everyday life -Apply reduce, reuse and recycle in daily life	<b>Students will be able to:</b> -Illustrate formation of sea breeze and land breeze -Recognise/ Identify the different states of water -Describe the steps to make water fit for drinking.
Skills	Cognitive skills: Critical thinking, problem solving ,observation and analysis,research skills  Practical and technical skills: Experimentation Communication skills: Scientific communication,teamwork, listening and interpretation  Emotional and social development: Curiosity and exploration, responsibility and ethics  Academic and career readiness: Scientific literacy  Interdisciplinary learning	Cognitive skills: Critical thinking, Problem solving ,observation and analysis,research skills  Practical and technical skills: Experimentation  Communication skills: Scientific communication,teamwork listening and interpretation  Emotional and social development: Curiosity and exploration, responsibility and ethics  Academic and career readiness: Scientific literacy	Cognitive skills: Critical thinking, observation and analysis,research skills  Practical and technical skills: Use of tools  Communication skills: Scientific communication,listening and interpretation  Emotional and social development: Curiosity and exploration, responsibility and ethics  Academic and career readiness: Scientific literacy, Interdisciplinary learning	Cognitive skills: Critical thinking, observation and analysis,research skills  Practical and technical skills: Use of tools  Communication skills: Scientific communication,team work,listening and interpretation  Emotional and social development: Curiosity and exploration, responsibility and ethics  Scientific literacy, Interdisciplinary learning

<b>Activities</b>	<b>Competency Skill based activities/Experiential learning Activities</b>  *Observe different cloth material and collect information about it. *Experiment on changing states of matter *Float and Sink activity  <b>(Integrated with Art)</b>	<b>Competency Skill based activities/Experiential learning Activities</b> *Model making on simple machines. <b>(Integrated with Art)</b>	<b>Competency skill based activities/Experiential learning Activities</b> *Search work on Astronomer Aryabhata.  *Slogan writing on 'Saving the Earth'  <b>(Integrated with Art, S. St, English And IT)</b>	<b>Competency Skill based activities/ Experiential learning Activities</b> *Water cycle model *Class activity on water purification method. <b>(Integrated with Art and IT)</b>
<b>Assessments</b>	Pen – paper test, Worksheet, HOTs, Reasoning questions, Flow Charts and diagrams, Tabular information, Concept maps, Science Quiz, Search work, Value based questions, C.W and H.W			
	<b>Main Book: Cambridge Science Voyage (Revised Edition)</b> <b>Publisher: Cambridge University Press</b>			