

| Month                                 | Book | Chapter/Lesson title                | Topics                                                                                          | Activity                                                                                                     | Learning Outcome                                                                |
|---------------------------------------|------|-------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| April                                 |      | Ls1. The green plants               | Ls1. The green plants                                                                           | *To test the presence of starch in a potato.                                                                 | *Identify the parts of leaves and how they make food.                           |
|                                       |      |                                     |                                                                                                 | *Plant two seeds separately in two pots.Observe the difference in the growth when kept in sunlight and dark. | *Relate the cause for the changes in the growth of the plant.                   |
| June                                  |      | Ls2. How plants survive             | Ls2. How plants survive                                                                         | *Collect pictures of different types of plants and trees that grow under different conditions.               | *Reason out how plants and animals can survive under different conditions.      |
|                                       |      |                                     |                                                                                                 | *Collect information of aquatic and unsual plants.                                                           | *Recognise difference between different types of plants and their adaptations.  |
|                                       |      | Ls3. Animals and their young ones   | Ls3. Animals and their young ones                                                               | *Make a life cycle of different animals and their young ones by using innovative ideas.                      | * Summarize about egg laying animals and animals that give birth to young ones. |
|                                       |      |                                     |                                                                                                 | *Observe an egg and identify the parts                                                                       | * Identify the parts of an egg.                                                 |
|                                       |      | July                                | Ls4. How animals survive                                                                        | Ls4. How animals survive                                                                                     | *Role play on adaptation to habitat                                             |
| *Internet search on animals in danger |      |                                     |                                                                                                 |                                                                                                              | * Recognise the animals in danger.                                              |
| August                                |      | Ls5. Food our basic need            | Ls5. Food our basic need                                                                        | *Chart of various food items and list the different nutrients present in them.                               | * Differentiate among different type of nutrients.                              |
|                                       |      |                                     |                                                                                                 | * Prepare a balance chart for a day.                                                                         | * Analyze a balance diet.                                                       |
|                                       |      |                                     |                                                                                                 | *Demonstrate proper postures for sitting and standing.                                                       | * Know the importance of proper posture for healthy life.                       |
| September                             |      | Ls6. Digestion and role of microbes | Ls6. Digestion and role of microbes                                                             | *Prepare the clay model of different types of teeth.                                                         | * Recognize different sets and types of teeth in humans.                        |
|                                       |      |                                     |                                                                                                 |                                                                                                              | * Know how to take care of the teeth.                                           |
|                                       |      |                                     |                                                                                                 |                                                                                                              | * Impementing healthy eating habits.                                            |
|                                       |      | Term 2                              | Term 2                                                                                          |                                                                                                              |                                                                                 |
| October                               |      | Ls8. Clothes we wear                | Ls8. Clothes we wear                                                                            | *Observe people wearing clothes in different seasons.                                                        | * Describe the clothes we use in our everyday life.                             |
|                                       |      |                                     |                                                                                                 |                                                                                                              | * Summarize why people of different regions wear different types of clothes.    |
|                                       |      |                                     |                                                                                                 | *Feel different types of fibres                                                                              | * Differentiate between natural and synthetic fibre.                            |
| November                              |      | Ls9. Solids, liquids and gases      | Ls9. Solids, liquids and gases                                                                  | * To collect different materials from their surroundings.                                                    | * Differentiate the properties of three states of matter.                       |
|                                       |      |                                     |                                                                                                 | *To check weather oil can be separated from water.                                                           | * recognise density of different solutions                                      |
|                                       |      |                                     |                                                                                                 | * Pour ice-cold water in a steel glass.Observe the surface of glass.                                         | * Explain the different processes which lead to change in states of matter.     |
|                                       |      | Ls10. Force, work and energy        | Ls10. Force, work and energy                                                                    | *make a chart showing the functioning of simple machines                                                     | * Explain the concept of work done.                                             |
|                                       |      |                                     |                                                                                                 |                                                                                                              | * Identify the different types of simple machines.                              |
|                                       |      |                                     |                                                                                                 |                                                                                                              | * List the types of simple machines.                                            |
|                                       |      |                                     |                                                                                                 | * Visit to a field and do different activities and conclude with different types of forces used.             | * Define force and types of forces, Energy.                                     |
| December                              |      | Ls11.The solar system               | Ls11.The solar system                                                                           | *Role playing to demontrate rotation and revolution of the earth                                             | * Explain how rotation causes day and night.                                    |
|                                       |      |                                     |                                                                                                 | *Model representation of the solar system.                                                                   | *Students will be able to determine the position of the planets from the sun.   |
|                                       |      |                                     | *visit to an industrial area to observe different types of pollutions and impact on environment | * Define different types of pollution and wastes.                                                            |                                                                                 |

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| January  | SCIENCE VOYAGE<br>CAMBRIDGE | Ls12. Keeping our earth clean | Ls12. Keeping our earth clean |                                                                | * Differntiate among air, water and land pollution                  |
|          |                             |                               |                               | *To prepare a decorative item using waste materials.           | * use of 3R's in their daily life.                                  |
| February |                             | Ls13. Air, water and weather  | Ls13. Air, water and weather  | *Draw a diagram showing water cycle.                           | * Differentiate between the process that take place in water cycle. |
|          |                             |                               |                               | * Write an essay on commonly used methods for purifying water. | * List different methods used for making the water fit for use.     |