

## CLASS 4, EVS Yearly Curriculum Year 2020-21

### Theme 1- Water

**Central Idea:** Water is an important natural resource that requires conservation.

**Lines of Inquiry:**

- Sources and properties of water
- Uses of water
- Water cycle is a natural phenomenon
- Conservation of water (Rain water harvesting)

### Theme 2- Physical Geography of India

**Central Idea:** Physical features, climate and location of the regions determine their resources

**Lines of Inquiry:**

- Globes and maps help us to study the geography of the world
- Climatic conditions of India
- Variability in resources across India
- Mapping the physical features and resources of India, Use of Atlas

### Project 1- Our Heritage

**Central Idea:** Our country has rich and diverse natural and cultural heritage which is a source of pride

**Lines of Inquiry:**

- Diversity in India's natural heritage
- Diversity in India's cultural heritage
- India's national heritage
- Why we value our role models

### Theme 3- Food and Nutrition

**Central Idea:** Understanding different components of food help us live a healthy life.

**Lines of Inquiry:**

- There are various components of food
- Various nutrients are related with different types of food
- We acquire deficiency diseases due to lack of certain nutrients
- Balanced diet, lifestyle and preservation of food is important

## **Theme 4- Body System – Digestive and Excretory Systems**

**Central Idea:** Digestive and excretory systems are made up of different organs that are interconnected with each other to make them functional.

### **Lines of Inquiry:**

- Digestive and excretory systems comprise of many organs
- Types and Structure of Teeth
- Inter-connectedness of digestive organs in the process of digestion, and of excretory organs in the process of excretion
- Maintaining healthy eating habits and preventing diseases

## **Theme 5- Rocks, Minerals and Soils**

**Central Idea:** Rocks, minerals and soil are natural materials formed on Earth, which are important for our existence.

### **Lines of Inquiry:**

- How rocks, minerals and soil are formed
- Types of rocks, minerals, soil and their composition
- Why we need rocks, minerals and soil

## **Project 2– Machines**

**Central Idea:** We need different kinds of simple and complex machines to make our life easier.

### **Lines of Inquiry:**

- Machines work on different principles (work, force, motion and friction)
- Machines are invented, created and modified for various uses
- Impact of machines on human life
- How simple machines are used to develop complex machines
- Work, force and energy are related
- Sources of energy

## **Theme 6- Our History**

**Central Idea:** Human lifestyles and culture has developed over the course of history, from the ancient to the modern period.

### **Lines of Inquiry:**

- How we can find out about our past
- Evolution of our history from Ancient to Modern Period
- How tools and artefacts lead to human advancement over time
- Rise of river valley civilisations in India

## **Theme 7- Living Kingdom – Plants, Animals and Insects**

**Central Idea:** Plants, animals, and insects are adapted to their surroundings that help in maintaining a balance in the ecosystem.

### **Lines of Inquiry:**

- Role of abiotic elements in the process of photosynthesis
- Plants and animals live in different habitats
- Plant-animals are interdependent
- Animals have a definite life cycle
- Benefits and adverse effects of insects as part of the human world