

**Class – IX**  
**DELETED SYLLABUS**  
**(For the Session of 2020-21 Only)**  
**SCIENCE**  
**(THEORY)**

**Theme : Food**

**Unit 1 : Food**

Plant and animal breeding and selection for quality improvement and management ; use of fertilizers, manures; protection from pests and diseases; organic farming.

**Theme : Materials**

**Unit 2 : Matter - Nature and behaviour**

Definition of matter; solid, liquid and gas; characteristics - shape, volume, density; change of state-melting (absorption of heat), freezing, evaporation (Cooling by evaporation), condensation, sublimation.

**Theme : The World of the living**

**Unit 3 : Organization in the living world.**

**Biological Diversity** : Diversity of plants and animals - basic issues in scientific naming, basis of classification. Hierarchy of categories / groups, Major groups of plants (salient features) (Bacteria, Thalophyta, Bryophyta, Pteridophyta, gymnosperms and Angiosperms). Major groups of animals (salient features) (Non-chordates upto phyla and chordates upto classes).

**Theme : Moving things, people and ideas**

**Unit 4 : Motion, Force and Work**

**Floatation** : Thrust and pressure. Archimedes' principle, buoyancy, elementary idea of relative density.

**Sound** : Nature of sound and its propagation in various media, speed of sound, range of hearing in humans; ultrasound; reflection of sound; echo and SONAR. Structure of the human ear (auditory aspect only).

**Theme : Natural Resources**

**Unit 5 : Our Environment**

**Physical resources** : Air, Water, Soil.

Air for respiration, for combustion, for moderating temperatures, movements of air and its role in bringing rains across India.

Air, water and soil pollution ( brief introduction). Holes in ozone layer and the probable damages.

**Bio-geo chemical cycles in nature** : water, oxygen, carbon, nitrogen