

7th CBSE SCIENCE SYLLABUS

Chapter 1 Nutrition in Plants

- Mode of Nutrition In Plants
- Photosynthesis — Food Making Process in Plants
- Other Modes Of Nutrition In Plants
- Saprotrophs
- How Nutrients Are Replenished In the Soil

Chapter 2

Nutrition in Animals

- Different Ways Of Taking Food
- Digestion In Humans
- Digestion In Grass-Eating Animals
- Feeding And Digestion In Amoeba

Chapter 3

Fibre to Fabric

- Wool
- Silk

Chapter 4

Heat

- Hot And Cold
- Measuring Temperature
- Laboratory Thermometer
- Transfer Of Heat
- Kinds Of Clothes We Wear In Summer And Winter

Chapter 5

Acids, Bases and Salts

- Acids And Bases
- Natural Indicators Around Us
- Neutralisation
- Neutralisation In Everyday Life

Chapter 6

Physical and Chemical Changes

- Physical Changes
- Chemical Change
- Rusting Of Iron

Chapter 7

Weather, Climate and Adaptations of Animals to Climate

- Weather
- Climate
- Climate And Adaptation

Chapter 8

Winds, Storms and Cyclones

- Air Exerts Pressure
- High Speed Winds Are Accompanied By Reduced Air Pressure
- Air Expands On Heating
- Wind Currents Are Generated Due To Uneven Heating On The Earth
- Thunderstorms And Cyclones
- Destruction Caused By Cyclones
- Effective Safety Measures
- Advanced Technology Has Helped

Chapter 9

Soil

- Soil Teeming With Life
- Soil Profile
- Soil Types
- Properties Of Soil
- Moisture In Soil
- Absorption Of Water By Soil
- Soil And Crops

Chapter 10

Respiration in Organisms

- Why Do We Respire?
- Breathing
- How Do We Breathe?
- What Do We Breathe Out?

- Breathing In Other Animals
- Breathing Under Water
- Do Plants Also Respire?

Chapter 11

Transportation in Animals and Plants

- Circulatory System
- Excretion In Animals
- Transport Of Substances In Plants

Chapter 12

Reproduction in Plants

- Modes Of Reproduction
- Sexual Reproduction
- Fruits And Seed Formation
- Seed Dispersal

Chapter 13

Motion and Time

- Slow Or Fast
- Speed
- Measurement Of Time
- Measuring Speed
- Distance-Time Graph

Chapter 14

Electric Current and its Effects

- Symbols Of Electric Components
- Heating Effect Of Electric Current
- Magnetic Effect Of Electric Current
- Electromagnet
- Electric Bell

Chapter 15

Light

- Light Travels Along A Straight Line
- Reflection Of Light
- Right Or Left
- Playing With Spherical Mirrors
- Images Formed By Lenses

- Sunlight — White Or Coloured?

Chapter 16

Water: A Precious Resource

- How Much Water Is Available
- Forms Of Water
- Groundwater As An Important Source Of Water
- Depletion Of Water Table
- Distribution Of Water
- Water Management
- What Role You Can Play
- Effect Of Water Scarcity On Plants

Chapter 17

Forests: Our Lifeline

- Visit To A Forest

Chapter 18

Wastewater Story

- Water, Our Lifeline
- What Is Sewage?
- Water Freshens Up — An Eventful Journey
- Wastewater Treatment Plant (WWTP)
- Better Housekeeping Practices
- Sanitation And Disease
- Alternative Arrangement For Sewage Disposal
- Sanitation At Public Place