

CLASS - 8	Teacher's Name		Teacher's Name	
LO as per book				
Chapter 1 - food production				
crops,food crops,cash crops				
plantation,horticulture,kharif/Rabi				
Preparing Soil,Ploughing,Levelling				
Mauring,Sowing seed ,fungicides				
broadcasting,seed-drill,				
Transplantation,nursery				
Improving soil fertility,Follow field				
Crop-relation, nitrogen fixation/cycle				
Cyanobacteria,biofertiliser,manure				
chemical fertilisers,eutrophication				
Irrigation,Salinisation,source				
Canals,permanent ,Inundation				
method of Irrigation				
Crop Protection				
Weeds ,Weedicides				
Controlling pests /Diseases ,pests				
pesticides,insecticides,rodenticides				
fungicides/Biological control				
Harvesting, threshing,Winnowing				
Storage,buffer,stock				
Cold storages				
Food from animals(milk,eggs,meat)				
Chapter 2 The Cell				
life of cell and parts of cells				
structure of cell				
tissue/Type of tissue				
Chapter 3 Micro-organisms				
microbiology				
Algae,Cocci ,Spirilla,Vibrios,Fimbriae				
Nutrition				
Growth and reproduction				
useful bacteria				
harmful bacteria				
fungi				
yeast				
moulds				
useful fungi				
Harmful fungi				

Protozoans				
Useful Protozoans				
Harmful Protozoans				
Viruses				
Preservation of food				
storing food,dry storage,Drying,freezing				
sun drying, cold storage, Heating				
Pasteurisation, canning ,vaccum pack				
Chapter 4 Reproduction				
Sexual reproduction in animals				
fertilisation				
type of fertilisation				
male reproductive system				
female reproductive system				
fertilisation,pregnancy and child birth				
the menstrual cycle				
secondary -sexual characters				
the endocrine system				
Gender and Sex				
Sex determination				
Chapter 5 Synthetic materials				
polymerisation				
synthetic fibers				
Rayons				
Polyesters				
Polyamides(Nylones				
Acrylics				
Advantage(Sys. fibres)				
Disadvantages of synthetic fibres				
Blends make for comfortable clothing				
synthetic fibres only, making cloths				
Other useful synthetic palymers				
Plastics				
Rubbers				
Adhesives and lubricarats				
Raw materials for synthetic polymers				
Petroleum products				
Tensile Strenght				
Action of water				
Action of heat and flame				
Thermal conductivity				

Electrical conductivity				
Chapter 6 - Metal and Nonmetals				
Physical properties				
Metals, properties of metal				
Nonmetals, Details of nonmetal				
Action of air on metal				
Displacement of one metal by another				
Displacement of hydrogen from water				
Reaction with bases				
Chemical behavior of nonmetal				
Action of air				
Action of water				
Displacement, salt solution				
Use of metals				
Use of nonmetal (oxygen, nitrogen)				
Carbon, Sulphur, Chlorine, iodine, e.t.c.				
Chapter 7- Combustion and fuels				
Thermal energy and related terms				
Combustion and Fuel explanation				
Supporter of combustion / non-supporter				
Ignition temperature				
Calorific value of fuel				
Types of fuel				
What makes a good fuel				
Gaseous fuels solid / liquid fuels				
What happens when a candle burns				
The candle flame				
The melting and vaporisation of wax				
The products of burning of wax				
Chapter 8 -Force and pressure				
What a force does				
Force causes movement				
Force changes speed				
Force changes direction of motion				
Force changes shapes and sizes				
Types of force				
Frictional force				
Static and kinetic friction				
Magnetic force				

Electrostatic Force				
Gravitational force				
PRESSURE				
everyday examples				
Pressure exerted by liquids				
Measuring liquid pressure				
Chapter 9 - Sound				
How sound is produced				
Characteristics of sound				
Loudness				
Pitch				
String instruments				
Wind instruments				
Percussion instruments				
QUALITY				
Body sound				
Instrument sound				
Music and Noise				
Noise pollution				
what we can do				
How sound travels				
Sound needs a medium to travels				
Speed of sound				
Telephone				
sound made and heard by animals				
How to speak				
How we hear				
What we and other animals hear				
Reflection of sound				
Echoes				
Application of echoes				
Chapter 10 - Electricity and lightning				
Electrical charge				
Like and unlike charged				
How an object gets charged				
Charging by conduction				
Charging by induction				
Detecting and measuring charges				
Gold - leaf electroscope				

Flow of charge				
Sparks and lightning				
Lightning				
Lightning conductor				
Chapter 11 - Chemical effects current				
Electricity through different substance				
Conduction in solids				
Conduction in liquids				
Current through the human body				
Electrolysis				
Electroplating				
Uses of electrolysis				
Chapter 12 - Light and vision				
Reflection				
Terms related to reflection				
Laws of reflection				
Image formed by a plane mirror				
Multiple reflections				
Dispersion of light				
The human eye				
Struction of the eye				
How the eye works				
Problems of vision				
The world of the blind				
Chapter 13 - Our Universe				
Stars				
Galaxies				
Constellations				
The solar system				
Planets				
Types of planets				
The moons of planets				
The earth's moon				
Dwarf planets				
Asteroids				
Meteoroids				
Comets				

Chapter 14 - Earthquakes				
How earthquakes occur				
Weak points				
Other causes				
Measuring an earthquake				
Richter Scale				
Modified mercalli scale				
Impact of earthquakes				
After the quake				
protection from Earthquakes				
Protecting buildings				
Safety measures				
Chapter 15 - Natural Resources				
Forests				
Deforestation				
Extraction of timber				
Production of paper				
Recycled paper				
Fuelwood				
Impact of deforestation				
Soil erosion				
Floods and droughts				
Climate change				
Fossil Fuels				
Formation of coal				
Formation of petroleum and natural gas				
Utilisation of fossil fuels				
Problems of overutilisation				
Alternative energy sources				
Biomass energy				
Hydroelectricity				
Solar energy				
Wind energy				
Ocean energy				
Geothermal energy geysers				
Alternative fuels				

Chapter 16 - Pollution of Air and Water				
Pollution of air				
Effects of air Pollution				
Acid rain				
Effects of acid rain				
The green house effect				
Methods of reducing air pollution				
Pollution of water				
What indicates water pollution				
Types of water pollution				
Chemical pollution				
Biological pollution				
Effect of pollution water on soil				
Preventing og reducing Water pollution				
Some pollution rivers in india				
Case study(pollution river- the yamuna)				
Potable water				
Purification of water on a large scale				
Purification of water at home				
Bottled water				
Chapter 17 - Conservation				
Biodiversity				
Loss of biodiversity				
Development				
Monoculture				
Exotic species				
Hunting and fishing				
Pollution				
Global warning				
Impact of biodiversity loss				
Red data book				
About india				
Protecting biodiversity				
Conservation in india				
National biodiversity strategy ,action plan				
The national wildlife action plane				
Parks and Gardens				
Wetlands mangroves and coral reefs				
People's participation				
The chipko andolan				
Joint forest Management				