

class: - VIII
 Subject: - Science

C. B. Khedgi International School
 Yearly Plan :- 2023-2024

Akkalkot

Page No. _____
 Date: _____

Sr.No	Month	Topic or Subtopic	No. of Periods	Objectives	Learning Outcomes	Teaching aids	Activity or Practicle	Exam
	April	Crop Production and Management - Agricultural Practices - Basic properties of crop production - Agricultural Implements - Traditional Method of Irrigation - modern method of Irrigation.		- Crops and difference between kharif and Rabi crops - Basic crop production practices - Preparation of soil - Sowing of seed - Addition of manure and fertilizer - Irrigation - Weeding and crop protection - Animal husbandary	- Makes efforts to apply to daily life - the understanding of env. & steps to conserve it, in order to contribute to the protection of environment.	ppt, seeds		S.A - I
	June	Micro-organisms : friend and foe - micro-organisms - Where do micro-organisms live? - Commercial / Medical use of microorganisms - Vaccine - Disease causing microorganisms in Humans / Animals. - Food preservation - Nitrogen cycle		Difference between microorganisms and viruses to establish the viruses reproduces only in the host body. - List examples of diseases in human, plants and animals caused by micro-organisms in order to explain harmful effects of micro-organisms	Explain role of antibiotics in order to demonstrate the medicinal uses of micro-organisms. - explain the role of micro-organisms in increasing the fertility of soil	PPT	Different structures of micro-organisms.	S.A - I

Sr. No.	Month	Topic / Subtopic	No. of Periods	Objectives	Learning outcome	Teaching aids	Activity or Practical	Exam
	June	<p>* Combustion and Petroleum</p> <ul style="list-style-type: none"> - Inexhaustible Natural resources - Exhaustible natural resources - story of coal & Petroleum - Natural gas - Some natural resources are limited. 		<ul style="list-style-type: none"> - classify natural resources based on their ability to replenish in order to - distinguish between inexhaustible and exhaustible natural resources - classify different constituents of petroleum according to their use in daily life 	<ul style="list-style-type: none"> - differentiate different petroleum products - classify materials as exhaustible and Inexhaustible natural resources. - uses of various petroleum products. 	Coal, PPT.		S.A -
	July	<p>* Combustion and Flame</p> <ul style="list-style-type: none"> - What is combustion? - How do we control fire? - Types of Combustion - Structure of flame. - What is fuel? - Fuel efficiency. 		<ul style="list-style-type: none"> - Explain the process of combustion in order to describe the role of fuel & Oxygen in the process of as necessary conditions for combustion to take place - Explain different parts of flame 	<ul style="list-style-type: none"> - Constructs models using materials from surroundings & explain their working such as fire extinguisher - scientific concepts in day-to-day life - makes efforts to protect environment. 			S.A - I

No.	Month	Topic / Sub-topic	No. of Periods	Objectives	Learning Outcomes	Teaching aids	Activity OR Practicle	Exam
	July	* Force and Pressure - Force - A push or pull - forces are due to an Interaction - A force can change the state of motion shape of an object - contact forces Non-contact forces - Atmospheric pressure.		- classify common actions involving motion of object as push or pull in order to define the force - Discover direction of applied by liquid when put in containers to conclude that liquids exerts pressure on the walls of the container.	explain force and pressure, by taking day-to-day life examples.		To show experimentally - A liquid exerts pressure on the walls of the container - Attraction and repulsion between two magnets	S.A - I
	August	* Friction - force of friction - factor affecting friction. - Increasing and Reducing friction		The students will be able to understand the - friction - know the factors affecting friction - Different types of friction - Understand the advantages and disadvantages of friction.	Differentiates contact and non-contact forces - Applies learning of scientific concepts in daily life			S.A - I

Sr. No.	Month	Topic / Sub-topic	No. of Periods	Objectives	Learning Outcomes	Teaching aids	Activity OR Practicle	Exam
	Sep.	<p>* Sound</p> <ul style="list-style-type: none"> - sound is produced by vibrating body. - sound produced by humans - sound needs a medium for propagation. - Amplitude, Time period & frequency of variation. 		<ul style="list-style-type: none"> - The students will be able to understand the - some liquids are good conductors of electricity. - propagation of sound in the medium - know the unit of velocity, frequency, wavelength, understand the impact of sound. 	Explain process of propagation of sound	PPT video	<ul style="list-style-type: none"> To show experimentally - sound travelling through water. 	S.A - I
	October	<p>* Conservation of Plants and Animals.</p> <ul style="list-style-type: none"> - Deforestation and its cause - consequences of deforestation - forest and wildlife - flora and fauna - migration. 		<p>The students will be able to understand the deforestation & its causes & consequences.</p> <ul style="list-style-type: none"> - know the biosphere reserve. - understand the flora & fauna & different examples. 	Describe how droughts are caused due to elaborate the consequences of deforestation.		<ul style="list-style-type: none"> - Interpret the imp. of Red Data Book. 	S.A - II
	November	<p>* Reproduction in Animals.</p> <p>* modes of Reproduction.</p> <ul style="list-style-type: none"> - Development of an Embryo - viviparous and oviparous. 		<p>The students will be able to understand the modes of Reproduction.</p> <ul style="list-style-type: none"> - Understand the Male & female Reproductive system - Understand about Internal, external fertilization. 	- Differentiates viviparous and oviparous animals			S.A - II

No.	Month	Topic / Sub-Topic	No. of periods	Objectives	Learning outcome	Teaching aids	Practicals	Exam.
	Dec.	* Chemical effects of electric current - Do liquids conduct electricity? - chemical effects of electric current - Electroplating.		The students will be able to understand - some liquids are good conductors of electricity - Understand chemical effects of electric current.	Distinguish between good and poor conductors of electricity.	electrodes, battery, cell, wires	To show practically. - Passing current through water - circuit showing electroplating	S.A-II
	Jan	* Some Natural phenomena - Lighting - charging by Rubbing - Types of charges - Transfer of charge - Lightning safely - Earthquakes - protection against earthquakes.		- Recall examples of visible sparks in order to explain the phenomenon of lightning. - Examine the sequence of lightning occurring in clouds in order to explain the advantages of earthing of electric circuit in households.	- Explain the process phenomenon, its develop scientific develop skill.	PPT videos	- students check whether like poles attract or repel	S.A-II