

THE WISDOM GLOBAL SCHOOL

SYLLABUS BIFURCATION

GRADE 4

SUBJECT:- SCIENCE

YEAR 2023-24

NAME OF THE TEACHER: - Ms. Jyoti Tiwari, Ms. Priya Pandey

S.NO	BOOK NAME	MONTH	CHAPTER NUMBER	CHAPTER NAME	SUB-TOPICS	NO. OF DAYS REQUIRED	ACTIVITY/P ROPS	SMART BOARD (PPT/VIDEO)	CHARTS
	Science Mission		1	How do plants make their food?	Introduction and warm up questions about plants and their parts	1	Yes	Yes	Yes
		April			Process of Photosynthesis	1	Yes	Yes	Yes
		April			Structure of a leaf	1	Yes	Yes	Yes
		April			Storehouses of food	1	Yes	Yes	Yes
		April			Interdependence of plants and animals	1		Yes	Yes
		April			Some unusual plants	1	Yes	Yes	Yes
		April			Parasitic plants	1		Yes	Yes
		April			Insectivorous plants	1		Yes	Yes
					Discussion of theoretical and thinking skills questions	1		Not required	Not required
		April			Discussion of theoretical and thinking skills questions	1		Not required	Not required

								Not required	Not required
		April			Olympiad questions discussion	1		Not required	Not required
		April			Olympiad questions discussion	1		Not required	Not required
		April			Test of Ch-1 How do plants make their food?	1		Not required	Not required
2	Science Mission	April	2	adaptations in Plant	Introduction and warm up questions about parts of a plant and their functions	1		Not required	Not required
		April			Water or aquatic plants - floating plants	1	Yes	Yes	Yes
		April			Water or aquatic plants - fixed and underwater	1		Yes	Yes
		April			Land or terrestrial plants - plain and desert plants	1	Yes	Yes	Yes
		April			Land or terrestrial plants - Mountain and heavy rainfall plants	1		Yes	Yes
		April			Land or terrestrial plants - Sea coast and swampy areas plant	1		Yes	Yes
		April			Discussion of theoretical and thinking skills questions	1		Not required	Not required
		May			Olympiad questions discussion	1		Not required	Not required

					Olympiad questions discussion	1		Not required	Not required
		May			Test of Ch-2.Adaptations in plants	1		Not required	Not required
		May			Introduction and warm up questions about different types of animals and their characteristics	1		Not required	Not required
3	Science Mission	May	3	Adaptations in animals	Habitat, what is an adaptation?	1		Yes	Yes
		May			Adaptation for habitat - terrestrial animals	1	Yes	Yes	Yes
		May			Adaptation for surviving extreme cold/polar	1	Yes	Yes	Yes
		May			Adaptation for surviving extreme heat- ship of	1	Yes	Yes	Yes
		May			Aquatic animals	1		Yes	Yes
		May			animals	1		Yes	Yes
		May			Arboreal animals	1		Yes	Yes
		May			Adaptation for food habit	1		Yes	Yes
		May			Food Chain	1	Yes		
		May			Food Web	1	Yes		
		May			Warm Blooded and Cold Blooded Animals	1	Yes		
		May			Parasites	1		Yes	Yes
		May			Adaptation for protecting themselves	1		Yes	Yes
		May			Special adaptations - Camouflage	1		Yes	Not required

		May			Special adaptations - Hibernation and migration	1			
		May			Discussion of theoretical and thinking skills questions	1		Not required	Not required
					Olympiad questions discussion	1		Not required	Not required
		May			Olympiad questions discussion	1		Not required	Not required
		May			Test of Ch-3. Adaptations in animals	1		Not required	Not required
4	Science Mission	JULY	4	Reproduction in Animals	Introduction and warm up questions about lining things reproduce, reproduction in different animals	1		Not required	Not required
		JULY			Viviparous animals and Ovi	1		Yes	Yes
		JULY			Aerial Oviparous animals, Parts of an egg	1	Yes	Yes	Yes
		JULY			Terrestrial Oviparous animals- insects	1		Yes	Yes
		JULY			Life cycle of a cockroach	1	Yes	Yes	Yes
		JULY			Life cycle of a butterfly	1	Yes	Yes	Yes
		JULY			Other egg laying terrestrial animals	1		Yes	Yes
		JULY			Aquatic Oviparous animals - fish and frog	1	Yes	Yes	Yes
		JULY			Life cycle of a frog	1	Yes	Yes	Yes

		JULY			Parental care in animals	1				
		JULY			Discussion of theoretical and thinking skills questions	1		Not required	Not required	
		JULY			Olympiad questions discussion	1		Not required	Not required	
		JULY			Olympiad questions discussion	1		Not required	Not required	
		JULY			Test of Ch-4.Reproduction in Animals	1		Not required	Not required	
			5	Respiratory and Circulatory systems	Introduction about structure of human body, organ system and their functions, digestive system			Not required	Not required	
5	Science Mission	JULY					1			
		JULY				Respiratory system	1	Yes	Yes	Yes
		JULY				How does Respiratory system work?	1	Yes		Yes
		JULY				Composition of Inhaled and Exhaled air	1			
		JULY				Cylinder	1	Yes		
		JULY				The Circulatory system - Blood, Blood vessels	1		Yes	Yes
		JULY				The Circulatory system - Blood, Blood vessels	1		Yes	Yes
		JULY				The Heart	1	Yes	Yes	Yes
		JULY				Discussion of theoretical and thinking skills questions	1		Not required	Not required

					Discussion of theoretical and thinking skills questions	1		Not required	Not required
		JULY							
					Olympiad questions discussion	1		Yes	Not required
		JULY							
					Olympiad questions discussion	1			Not required
		JULY							
					Test of Ch-5.Respiratory and Circulatory systems	1		Yes	Not required
		AUGUST							
6	Science Mission		6	Digestive System	Introduction about structure of human body, organ system and their	1		Not required	Not required
		AUGUST							
		AUGUST			The digestive system-Parts and Stages	1	Yes	Yes	Yes
		AUGUST			Teeth, Parts of a teeth	1	Yes	Yes	Yes
		AUGUST			Teeth, Parts of a teeth	1		Yes	Yes
		AUGUST			Types of teeth	1	Yes	Yes	Yes
		AUGUST			Types of teeth	1		Yes	Yes
		AUGUST			Taking care of teeth	1	Yes	Yes	Yes
		AUGUST			Healthy eating habits	1	Yes	Yes	Yes
					Discussion of theoretical and thinking skills questions	1		Not required	Not required
		AUGUST							
					Discussion of theoretical and thinking skills questions	1		Not required	Not required
		AUGUST							
					Olympiad questions discussion	1		Not required	Not required
		AUGUST							

		AUGUST			Olympiad questions discussion	1		Not required	Not required
		AUGUST			Test of Ch-6.Digestive System	1		Not required	Not required
MID TERM ASSESSMENT									
7	Science Mission	AUGUST	7	Food - Our basic needs	Introduction about sources of food, types of food and eating habits	1		Not required	Not required
		AUGUST			Nutrients in food- Carbohydrates	1	Yes	Yes	Yes
		AUGUST			Nutrients in food- Proteins, fats	1	Yes	Yes	Yes
		AUGUST			Nutrients in food- vitamins and minerals, fibre or roughage	1	Yes	Yes	Yes
		AUGUST			Water	1		Yes	Yes
		SEPTEMBER			Balanced diet, junk food	1	Yes		
		SEPTEMBER			Cooking food - methods of cooking	1	Yes		
		SEPTEMBER			Cooking food - methods of cooking	1	Yes		
		SEPTEMBER			Food preservation	1	Yes		
		SEPTEMBER			Food Adulteration	1	Yes		
		SEPTEMBER						Not required	Not required
		SEPTEMBER			Discussion of theoretical an	1			
		SEPTEMBER			Discussion of theoretical an	1			
		SEPTEMBER			Olympiad questions discussion	1		Not required	Not required

		SEPTEMBER			Test of Ch-7 Matter and Material(Added)	1			
		SEPTEMBER			Test of Ch-7 Matter and Material(Added)	1		Not required	Not required
8	Science Mission	SEPTEMBER	8	Clothes-Our Protection	Introduction about need of house, clothes	1		Not required	Not required
		OCTOBER			Why we need clothes?	1		Yes	Not required
		OCTOBER			Materials used for making clothes	1	Yes	Yes	Yes
		OCTOBER			The clothes we wear-clothes and weather	1	Yes	Yes	Yes
		OCTOBER			The clothes we wear-clothes and Sports	1	Yes		
		OCTOBER			Socks and shoes	1	Yes		
		OCTOBER			Care of clothes, storing of clothes	1	Yes		
		OCTOBER			Discussion of theoretical an	1		Not required	Not required
		OCTOBER			Olympiad questions discussion	1		Not required	Not required
		OCTOBER			Test of Ch-8 Clothes-Our Protection	1		Not required	Not required
9	Science Mission	OCTOBER	9	Solids, Liquids, Gases	Introduction about matter, three states of matter	1		Not required	Not required

		OCTOBER		What is matter?	1	Yes	Yes	Yes
		OCTOBER		The states of matter - Solid , Liquid	1	Yes	Yes	Yes
		OCTOBER		The states of matter - liquid	1	Yes	Yes	Yes
		OCTOBER		The states of matter -	1	Yes	Yes	Yes
		OCTOBER		Change of states of matter - freezing, melting	1	Yes		
		OCTOBER		Change of states of matter - Evaporation and condensation	1	Yes	Yes	Yes
		NOVEMBER		Soluble substances. Solute, Solvent and Solution	1	Yes		
		NOVEMBER		InSoluble substances.- Filtration, Sedimentation and Decantation	1	Yes		
		NOVEMBER					Not required	Not required
		NOVEMBER		Discussion of theoretical an	1			
		NOVEMBER		Discussion of theoretical an	1			
		NOVEMBER		Olympiad questions discussion	1		Not required	Not required
		NOVEMBER		Olympiad questions discussion	1		Not required	Not required
		NOVEMBER					Not required	Not required
		NOVEMBER		Test of Ch-9 Solids, Liquids	1		required	required

					Introduction about living things and hry need energy			Not required	Not required
10	Science Mission	NOVEMBER	10	Force, work and energy		1			
		NOVEMBER			Pushes and pulls	1	Yes	Yes	Yes
		November			Effects of force	1	Yes		Yes
		November			Types of forces - Muscular force, Gravitational force	1	Yes	Yes	Yes
		November			Types of forces - Magnetic force, Friction	1	Yes	Yes	Yes
		November			Disadvantages and advantages of friction	1	Yes		
		November			Reducing friction	1	Yes	Yes	Yes
		November			What is Work?	1	Yes		
		November			Energy-Forms of Energy	1	Yes		
		November			Sources of Energy - Sun	1			
		November			Sources of Energy - Wind and water	1			
		November			Sources of Energy - Fuel,	1			
		November			Discussion of theoretical an	1		Not required	Not required
		November			Olympiad questions discussion	1		Not required	Not required

		November			Test of Ch-10.Force, work and energy	1		Not required	Not required
11	Science Mission	December	11	Air ,Water and Weaher	Introduction about air, uses of air and water	1		Not required	Not required
		December			Air and weather	1	Yes	Yes	Yes
		December			What changes weather?, Sun causes the wind and rain	1	Yes	Yes	Yes
		December			Sun causes land and sea breezes	1	Yes	Yes	Yes
		December			Water and evaporation	1	Yes	Yes	Yes
		December			Factors affecting evaporation	1	Yes	Yes	Not required
		December			Condensation	1			
		December			Humid weaher, Water Cycle	1	Yes		
		December			Humid weaher, Water Cycle	1			
		December			Discussion of theoretical an	1			
		December			Discussion of theoretical an	1		Not required	Not required
		December			Olympiad questions discussion	1			

		December			Olympiad questions discussion	1		Not required	Not required
		December			Class test of Ch-11 Air, Water and Weather	1		Not required	Not required
12	Science Mission	January	12	Our Environment - pollution	Introduction about our environment	1		Not required	Yes
		January			Pollution- Air Pollution	1	Yes	Yes	Yes
		January			Global warming, acid rain	1		Yes	Yes
		January			Water pollution	1	Yes	Yes	Yes
		January			Land pollution	1	Yes	Yes	Yes
		January			Types of waste	1	Yes	Yes	Yes
		January			Preventing pollution	1			
		January			Discussion of theoretical and practical aspects of pollution	1		Not required	Not required
		January			Olympiad questions discussion	1		Not required	Not required
		January			Test of Ch-12 .Our Environment - pollution	1		Not required	Not required
13	Science Mission	February	13	Safety and first aid	Introduction about First aid	1	Yes	Not required	Yes
		February			Fire and its prevention	1	Yes	Yes	Yes
		February			fire?	1	Yes	Yes	Yes
		February			What to do if clothes catches fire?	1	Yes	Yes	Yes
		February			First aid in case of burns	1	Yes	Yes	Yes

		February			In case of animal bites	1	Yes	Yes	Yes
		February			Discussion of theoretical an	1			
								Not require	Not requi
		February			Discussion of theoretical an	1		d	red
								Not require	Not requi
		February			Olympiad questions discussion	1		d	red
								Not require	Not requi
		February			Test of Ch-12 .Safety and first aid	1		d	red

FINAL ASSESSMENTS