

**THE WISDOM GLOBAL SCHOOL****SYLLABUS BIFURCATION****GRADE 4****SUBJECT:- SCIENCE****YEAR 2022-23****NAME OF THE TEACHER:- MS. RAKHI JAIN, MS. PREETI SINGH**

<b>S.NO</b>	<b>BOOK NAME</b>	<b>MONTH</b>	<b>CHAPTER NUMBER</b>	<b>CHAPTER NAME</b>	<b>SUB-TOPICS</b>	<b>NO. OF DAYS REQUIRED</b>	<b>ACTIVITY/P ROPS</b>	<b>SMART BOARD (PPT/VIDEO)</b>	<b>CHARTS</b>
1	Science Mission	April	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
		April			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

		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	<b>Science Mission</b>	April	2	<b>Adaptations in Plants</b>	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

		May			Olympiad questions discussion	1		Not required	Not required
		May			Test of Ch-2.Adaptations in plants	1		Not required	Not required
3	<b>Science Mission</b>	May	3	<b>Adaptations in animals</b>	Introduction and warm up questions about different types of animals and their characteristics	1		Not required	Not required
		May			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.TAdaptations in animals	1		Not required	Not required
<b>PRE MID TERM ASSESSMENTS</b>									
4	<b>Science Mission</b>	JULY	4	<b>Reproduction in Animals</b>	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	<b>Science Mission</b>	JULY	5	<b>Respiratory and Circulatory systems</b>	Introduction about structure of human body, organ system and their functions, digestive system	1		Not required	Not required
		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

		JULY			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
		AUGUST			Test of Ch-5.Respiratory and Circulatory systems	1		Yes	Not required
6	<b>Science Mission</b>	AUGUST	6	<b>Digestive System</b>	Introduction about structure of human body, organ system and their	1		Not required	Not required
		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
		AUGUST			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			Olympiad questions discussion	1		Not required	Not required
		AUGUST			Test of Ch-6.Digestive System	1		Not required	Not required
<b>MID TERM ASSESSMENT</b>									
7	<b>Science Mission</b>	AUGUST	7	<b>Food – Our basic needs</b>	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			Discussion of theoretical an	1		Not required	Not required
		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	<b>Science Mission</b>	SEPTEMBER	8	<b>Clothes-Our Protection</b>	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	<b>Science Mission</b>	OCTOBER	9	<b>Solids, Liquids , Gases</b>	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			Discussion of theoretical an	1		Not required	Not required
		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			Test of Ch-9 Solids, Liquids	1		Not required	Not required

**POST- MID TERM ASSESSMENT**

10	<b>Science Mission</b>	NOVEMBER	<b>10</b>	<b>Force, work and energy</b>	Introduction about living things and hry need energy	1		Not required	Not required
		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	<b>Science Mission</b>	December	<b>11</b>	<b>Air ,Water and Weaher</b>	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	<b>Science Mission</b>	January	<b>12</b>	<b>Our Environment - pollution</b>	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	<b>Science Mission</b>	February	<b>13</b>	<b>Safety and first aid</b>	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			
		February			Discussion of theoretical an	1		Not require d	Not requi red
		February			Olympiad questions discussion	1		Not require d	Not requi red
		February			Test of Ch-12 .Safety and first aid	1		Not require d	Not requi red

**FINAL ASSESSMENTS**