

CLASS : YEAR 4

SUBJECT: Science

TEACHER : Ms. Shermila Liyakath, Ms. Thamodini Karunasinghe

Month	No. of Periods	Unit No.	TOPIC / DETAILS	Intended Learning Objectives	Remarks
September 2016					
School Reopens - 1st Term					
Week 1	4	1.0	How to be a scientist	Uses of scientific enquiry.	
Week 2	8	1.0	Human and animal skeletons	Describe that humans and some animals have bonny skeletons inside their bodies.	
Week 3			Eid Holidays		
Week 4	8	1.0	Super skeletons	Finds out what skeletons are for, and that skeletons grow as you grow.	
Week 5	8	1.0	Muscles and skeletons	Identify that animals with skeletons have muscles attached to the bones. Monthly Test	
October 2016					
Week 6	8	1.0	How muscles work together	Learns that muscles contract (shorten) to make a bone move and work together in pairs.	
Week 7	8	1.0	Medicines	Describe how we use medicines.	
Week 8	8	1.0	What we have learned about the skeleton and muscles. Are they solids, liquids and gases	Answers for questions. Revision Finds out that matter can be solid, liquid or gas.	
Week 9	8	2.0	Are they solids, liquids and gases	Finds out that matter can be solid, liquid or gas. Compares and group materials together, according to whether they are solids, liquids or gases	
November 2016					
Week 10	3	2	Are they solids, liquids and gases	Monthly Test , Revision on solid liquid and gasses	
Week 11	8	2.0	Heating and cooling	Investigates how materials change when they are heated and cooled. Observes that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C)	
Week 12	8	2.0	Melting and freezing	describe That melting is when a solid turns into a liquid and that melting is the reverse of freezing. Identifies the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.	
Week 13	8	2.0	Investigating steam	Observes how water turns into steam when it is heated and that it turns back into water when it is cooled.	
Week 14	8	2.0	What we have learned about solids, liquids and gases, Revision	Answers for questions.	
December 2016					
Week 15	8		Revision and 1st Term test		
Week 16			1st Term End Exams		
Week 17			Paper Correction		
Week 18			December Vacation		
Week 19			December Vacation		

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January 2017					
School Reopens - 2nd Term					
Week 20	8	3.0	May the force be with you!	Finds out what magnets are and that magnets can attract and repel each other.	
Week 21	8	3.0	Which things are magnetic?	Finds out that magnets attract some metals, but not others.	
Week 22	8	3.0	What we have learned about how magnets work	Answers for questions. Monthly test	
February 2017					
Week 23	8	4.0	Investigating habitats	Discovers that different animals live in different habitats and how animals are adapted to their habitat.	
Week 24	8	4.0	Identification keys	Learns how to use identification keys.	
				Recognizes that living things can be grouped in a variety of ways	
Week 25	8	4.0		Explores and use classification keys to help group, identify and name a variety of living things in their local and wider environment .	
Week 26	8	4.0	How we affect our world, What we have learned about habitats.	Finds how human activity affects the environment. Answers for questions. Recognises that environments can change and that this can sometimes pose dangers to living things. Monthly test	
Week 27	8	5.0	Constructing circuits	Identifies common appliances that run on electricity	
				Constructs your own electric circuits.	
				Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers	
March 2017					
Week 28	8	5.0	Break in the circuit	Explores that happens if there is a break in the circuit.	
				Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery	
				Recognize that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit	
Week 29	8	5.0	Revision		
Week 30	8		Revision and 2nd term test		
Week 31				2nd Term End Exams	
April 2017					
Week 32				Paper correction and Report work	
Week 33				April Vacation	
School Reopens - 3rd Term					
Week 34	4	5.0	Electrical current flows, What we have learned about making circuits.	Finds out that electrical current flows. Recognize some common conductors and insulators, and associate metals with being good conductors. Answers for questions.	
Week 35	8	5.0	Making and measuring sound	Identifies how sounds are made, associating some of them with something vibrating, and learn how to measure sounds.	

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May 2017					
Week 36	8	6.0	How does sound travel to our ears?	Investigates how sounds travels through different materials to the ear.Recognises that vibrations from sounds travel through a medium to the ear Monthly Test	
Week 37	8	6.0	Some materials stop sound travelling	Investigates how some materials prevent sound from travelling through them.	
Week 38	8	6.0	Investigating pitch and volume.	Investigates how high or low a sound is and that high or low sounds can be loud or quit. Finds patterns between the volume of a sound and the strength of the vibrations that produced it	
Week 39	8	6.0			
Week 40	8	6.0	Making music	Explores how we can change pitch to make musical instruments.	
				Finds patterns between the pitch of a sound and features of the object that produced it.	
				Recognizes that sounds get fainter as the distance from the sound source increases.	
June 2017					
Week 41	8	6.0	Revision		
Week 42	8		Revision		
Week 43				3rd Term end exams	
Week 44				Paper correction and Report work	
				Summer Vacation	