

CLASS: YEAR 8

SUBJECT: BIOLOGY

TEACHER: Thakshila Damayanthi

Month	No. of Periods	Unit No.	TOPIC /DETAILS	INTENDED LEARNING OUTCOMES	Remarks
September			School Reopens – 1st Term		
Week 1	1	6	Plants		
		6.1	Why we need plants	Describe the importance of plants to life on the Earth	
Week 2	2	6.1	Why we need plants		
	1	6.2	Asking scientific questions	Be able to develop a scientific question that can be investigated	
Week 3			EID HOLIDAYS		
Week 4	1	6.2	Asking scientific questions		
	2	6.3	Water & minerals	Describe how water & minerals are absorbed by roots & transported to leaves	
Week 5	1		Unit Test		
	2	7	Diet		
		7.1	Food	List the nutrients in food State the importance of each nutrient	
October					
Week 6	2	7.2	Managing variables	Explain how scientists can measure the energy content of food Work out what variables must be changed, controlled, & measured	
Week 7	3	7.3	A balanced diet	Explain what a balanced diet is	
Week 8	3	7.4	Deficiencies	Recall some of the main roles of specific vitamins & minerals Discuss the importance of collecting the evidence developing explanations, and using creative thinking	
Week 9	2	7.5	Choosing foods	Explain why people don't always have a balanced diet	
	1		Unit Test		
November					
Week 10	2	8	Digestion		
		8.1	The digestive system	Recognize each part of the alimentary canal & explain its role in digestion Recall the importance of bacteria in the human digestive system	
Week 11	3	8.2	Enzymes	State the function of each enzyme	
Week 12	2	8.3	Using enzymes	Explain how enzymes function Give some examples of the use of enzymes	
	1		Unit Test		
Week 13	2	9	Circulation		
		9.1	Blood	List the components of blood Describe the function of each component	
Week 14	3	9.2	Anemia	Recognize what we can learn from blood tests	

December				
Week15	2		Revision/ 1 st Term Examinations	
Week16			1 st Term Examinations	
Week17			Paper correction/ Distribution of reports	
Week18			Vacation	
January 2017				
Week19			Vacation	
School Reopens- 2ndTerm				
Week 20	3	9.3	The circulatory system	List the components of the circulatory system Describe the function of each component
Week 21	3	9.4	Identifying trends	Describe how the circulatory system responds to exercise Identify trends & patterns in results
Week 22	2	9.5	Diet & fitness	Explain the relationship between diet & fitness
	1		Unit test	
Week23	2	10	Respiration & breathing	
		10.1	Lungs	Recognize the main parts of the respiratory system
February				
Week23	1	10.1	Lungs	Describe what these organ systems do & their adaptations Describe the mechanism of breathing using a pressure model including simple measurements of lung volume
Week24	3	10.2	Respiration & gas exchange	Describe aerobic respiration Distinguish between respiration and gas exchange
Week25	3	10.3	Anaerobic respiration	Describe anaerobic respiration
Week26	2	10.4	Smoking & lung damage	Describe the effects of smoking Name the harmful substances in cigarette smoke
	1		Unit test	
Week27	2	10.5	Communicating findings	Discuss results using scientific knowledge & understanding
March				
Week27	1	10.5	Communicating findings	Communicate explanations clearly to others
Week28	3	11	Reproduction & fetal development	
		11.1	Reproduction	Describe the structure and function of the male and female reproductive systems Describe what happens during fertilization
Week29	3		Revision	
Week30	2		Revision/ 2 nd Term Test	
Week31			2 nd Term Test	

April					
Week32			Paper correction		
Week33			Vacation		
School Reopens- 3rd Term					
Week34	2	11.2	Fetal development	Describe the fetal development Discuss the effect of maternal lifestyle on the fetus through the placenta	
Week35	3	11.3	Twins	Explain how twins form Appreciate the extra risks twin babies face	
May					
Week36	2	11.4	Adolescence	Recognize the changes caused by puberty Describe menstrual cycle (without details of hormones)	
	1		Unit test		
Week37	2	12	Drugs & disease		
		12.1	Drugs	Recognize the effects of drugs	
Week38	3	12.2	Disease	Recognize the effects of diseases	
Week39	3	12.3	Defense against disease	Recognize that the immune system destroys pathogens	
Week40	3	12.4	Boosting your immunity	Recognize how conception, growth, development, behavior & health can be affected by	
June					
Week41	3	12.5	Stage 8 Review		
Week42	2		Revision/ 3 rd Term Test		
Week43			3 rd Term Test		
Week44			Paper corrections		
July					
Week45			Distribution of reports		
Week46			Summer vacation		