



ST. PETER'S COLLEGE GARAKU

Scheme of work for:

Term: 3rd, **Session:** 2019/2020, **Class:** SSS1, **Subject:** Biology

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WKS	TOPICS	CONTENTS	STDS/ ACTIVITY	REFERENCE
1	Some properties and functions of cell	-feeding(definition and types) -micro- nutrients -macro-nutrients	Identify micro and macro nutrients	Essential biology for senior secondary schools (pg-85)
2	Some properties and functions of cell	-cellular respiration -aerobic respiration -anaerobic respiration	Draw the Krebs's cycle	Essential biology for senior secondary schools(pg-89) Diagram of glycolysis and Kreb's cycle
3	Some properties and functions of cell	-excretion -Excretory organelles in living cell -forms in which waste products are produced	Explain and identify excretory organelles	Essential biology for senior secondary schools (pg 93)
4	Some properties and functions of cell	-growth -basis of growth -mitosis -meiosis	Draw the stages of mitosis and meiosis	Essential biology for senior secondary schools(pg-96-98) Diagram of mitosis and meiosis
5	Some properties and functions of cell	-cell enlargement - cell differentiation -regulation of growth by hormones	Identify growth as increase in height, size and number of cell	Essential biology for senior secondary schools(pg 96-109)
6	Some properties and functions of cell	-cell reaction to its environment -movement -organelles for movement	Explain ability cell to detect and respond to external stimuli -identify structural adaptations for mobility	Essential biology for senior secondary schools(pg-102-108) Experiments to demonstrate phototropic, hydrotropic and geotropic
7	Some properties and functions of cell	-reproduction -asexual reproduction -sexual reproduction	Recognize reproduction as ability of things to produce new individual of their kind.	Essential biology for senior secondary schools(pg -108-115)

				Pictures showing types of reproduction
8	Plant nutrition	-photosynthesis - mineral requirement for plants	Describe the essential minerals for plants	Essential biology for senior secondary schools(pg -117-124)
9	Animal nutrition	-food substances - balanced diet -mode of nutrition	Categories food substance under four classes	Essential biology for senior secondary schools(pg – 127-134)
10	Animal nutrition	-feeding mechanism in holozoic organisms -mammalian teeth -digestive enzymes	Study and observe the different teeth	Essential biology for senior secondary schools(140- 153)
11	Mid term	exams		
12	Revision			
	Examination			
	Compilation	and	vacation	

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