Grade (9) Term Plan Outline

2023 – 2024

TERM ONE: – SEPTEMBER 1 – DECEMBER 19 (16 Weeks)

SEPTEMBER		THEORY	ASSESSMENT
Sept. 7th – 8th	Week 1 1 Session	Welcome and Introduction	*Introduction to rules of the classroom*
Sept. 11th – 15th	Week 2 1 Session	Transport in plants -Explain why a complex organism requires a specialized transport system -Explain osmosis, diffusion and active transport in terms of transport in plants. -Describe the structure of the tissues of the transport system for a plant and their functions: xylem & phloem	*Worksheet:* on the processes and structures associated with the transport system of plants.
18th – 22th	Week 3 1 Session	Transport in plants contd. -Describe how the structures of root hair cells, xylem vessels, and phloem vessels are suited for their functions -Label diagrams to illustrate the tissues of the transport system in plants. -Describe the process of transport in plants i.e., diffusion, osmosis, cohesion, and adhesion	*Assignment:* Project (Experiment) on transport in plants.
25th – 29th	Week 4	Transport in plants contd.	Students will uproot a

	1 Session	-Discuss transpiration and movement of water up a plant by osmosis, root pressure, capillarity (adhesion & cohesion), and transpiration pull	balsam plant, pit it in eosin solution and observe the movement of water.
OCTOBER		**THEORY**	**Labs/Quiz/Tests**
2nd- 6th	Week 5 1 Session	Transport in plants contd. ***Heritage week*** -Discuss factors affecting the rate of transpiration: humidity, light intensity, temperature -Control of transpiration by stomata	
9th – 11th (week will be affected- mid-term)	Week 6 1 Session	-Transport of manufactured food in phloem *Experiments:* radioisotopes, ringing, and using aphids	*Review of transport in plants with quizezz/ kahoot/in class quiz*
Oct. 12th-16th		MID TERM BREAK	
17th-20th week will be affected	Week 7 1 Session	Eye Structure and Function -The eye: function of the various organelles	Assignment on Eye Draw the internal structures of the human eye: - Conjunctiva, iris, choroid, aqueous humour, cornea, pupil, lens, ciliary body, ciliary muscles, suspensory muscles, blind spot, optic nerve, vitreous humour, fovea, retina, sclera.

			Create a table explaining the function of each part labeled.
23rd-27th		1ST WEEKLY TEST	
NOVEMBER		**THEORY**	**Labs/Quiz/Tests**
30th – Nov. 3rd week will be affected	Week 8 1 Session	Eye Structure and Function contd. -How we see: Image formation *Concave lens *Convex lens *Virtual versus real images	
6th – 10th (not a complete week)	Week 9 1 Session	-Pupil reflex: reaction in light and dark	*Class work*: students will complete a worksheet on their sight.
13th – 17th	Week 10 1 Session	Eye Structure and Function contd. -Accommodation	*Coursework #2* ***Project to be given on eye diseases:*** Ask students to do a project on the eye. Do not give specific eye diseases. Must get information from a professional in the medical field. Guidelines will be given.
20th – 24th	Week 11 1 Session	-How images are formed when one has long sightedness and short sightedness.	
27- Dec 1		Eye diseases project review	

DECEMBER		THEORY	Labs/Quiz/Tests
4th – 8th	Week 14 1 Session	Six Weekly Test	No teaching will be done this week
11th – 15th	Week 15 1 Session	Review six-week test and challenging topics	
19th	week 16 1 session	END OF TERM	