

Kuwait Bilingual School

Quarter 4 syllabus 2016-2017

Mar 23rd – Jun 11th 2017

Subject: Science Grade: 12

Cycle #	Cycle of	Standard/Benchmark	Concept & Knowledge	Skills	Resources
21	Mar 23 To Mar 30	Students will describe or compare how different organisms have mechanisms that work in a coordinated way to obtain energy, grow, move, respond, provide defences, enable reproduction, or maintain internal balance (e.g., cells, tissues, organs and systems).	<ul style="list-style-type: none"> • The gonads secrete sex hormones • Pancreatic hormones regulate blood glucose level • Diabetes is a common endocrine disorder • The adrenal glands mobilize responses to stress 	Identify the General functions of the major systems of the human body (digestion, respiration, reproduction, circulation, excretion, protection from disease, and movement, control, and coordination) and describe ways that these systems interact with each other.	<p>Campbell, Biology: Concepts and Connections, Seventh Edition</p> <p>http://wps.aw.com/bc_campbell_concepts_8_ir/</p>
22	Apr 2 To Apr 16	Students will describe or compare how different organisms have mechanisms that work in a coordinated way to obtain energy, grow, move, respond, provide defences, enable reproduction, or maintain internal balance (e.g., cells, tissues, organs and systems).	<ul style="list-style-type: none"> • The adrenal glands mobilize responses to stress • A single hormone can perform a variety of functions in different animals • Hormones can promote social 	Identify the General functions of the major systems of the human body (digestion, respiration, reproduction, circulation, excretion, protection from disease, and movement, control, and coordination) and describe ways that these systems interact with each other.	<p>Campbell, Biology: Concepts and Connections, Seventh Edition</p> <p>http://wps.aw.com/bc_campbell_concepts_8_ir/</p>

			behaviors.		
23	Apr 17 To Apr 24	Students will describe or compare how different organisms have mechanisms that work in a coordinated way to obtain energy, grow, move, respond, provide defences, enable reproduction, or maintain internal balance (e.g., cells, tissues, organs and systems).	<ul style="list-style-type: none"> • Nervous systems receive sensory input, interpret it, and send out appropriate commands (28.1) • Neurons are the functional units of nervous systems • Nerve function depends on charge differences across neuron membranes 	Identify the General functions of the major systems of the human body (digestion, respiration, reproduction, circulation, excretion, protection from disease, and movement, control, and coordination) and describe ways that these systems interact with each other	Campbell, Biology: Concepts and Connections , Seventh Edition http://wps.aw.com/bc_campbell_concepts_8_ir/
24	Apr 25 To May 2	Students will describe or compare how different organisms have mechanisms that work in a coordinated way to obtain energy, grow, move, respond, provide defences, enable reproduction, or maintain internal balance (e.g., cells, tissues, organs and systems).	<ul style="list-style-type: none"> • A nerve signal begins as a change in the membrane potential • The action potential propagates itself along the axon • Neurons communicate at synapses • Exam Review 	Identify the General functions of the major systems of the human body (digestion, respiration, reproduction, circulation, excretion, protection from disease, and movement, control, and coordination) and describe ways that these systems interact with each other	Campbell, Biology: Concepts and Connections , Seventh Edition http://wps.aw.com/bc_campbell_concepts_8_ir/
25	May 3 To May 10	Students will describe or compare how different organisms have mechanisms that work in a coordinated way to obtain energy, grow, move, respond, provide defences, enable reproduction, or maintain internal balance (e.g., cells,	Exams	Identify the General functions of the major systems of the human body (digestion, respiration, reproduction, circulation, excretion, protection from disease, and movement, control, and coordination) and describe ways that these	Campbell, Biology: Concepts and Connections , Seventh Edition

		tissues, organs and systems).	Exams	systems interact with each other	http://wps.aw.com/bc_campbell_concepts_8_ir/
26	May 11 To May 18		Graduation		Campbell, Biology: Concepts and Connections, Seventh Edition http://wps.aw.com/bc_campbell_concepts_8_ir/
27	May 21 To May 28		-----		