

Unit	What I need to know/be able to do	Videos	Unit	What I need to know/be able to do	Videos
3.5 Musculoskeletal System	Distinguish between the axial and appendicular skeletons Outline the difference between red and yellow bone marrow What name is given to the small bones within the backbone? What is the function of cartilage? What biomolecule is it made of? Draw a diagram of the typical structure of a bone and label it Distinguish between ligaments and tendons Outline a disorder of the musculoskeletal system giving a cause and prevention and treatment for it	3.5 (f) - The Musculoskeletal System.mp4	3.1	What kingdom do bacteria belong to? What structures do they have and what are their functions? Name the process by which bacteria replicate and outline the stages involved using a labelled diagram Outline the stages involved in the growth curve of bacteria Outline what happens in batch and continuous flow processing	
3.5 Nervous System	Distinguish between central nervous system and peripheral nervous system Draw structure of a typical neuron, giving functions of the main components	3.5 (b) - Nervous System - Intro & Neurons.mp4 3.5 (c) - Nervous System - CNS, PNS & Reflex Arcs.mp4	3.2	Heart: Draw and label a diagram of the heart Outline how blood flows through the heart, mentioning the main chambers and using terms such as oxygenated and deoxygenated	3.2 (b) - The Heart & Blood Vessels - Structure and Blood Flow.mp4

	Name three types of neurons, giving roles of each. What is different about them in terms of their role and how their structure is slightly different Name a disorder associated with the nervous system, how it can be caused and outline treatments available for it			Outline the positions of the SA and AV nodes and how they are responsible for regulating heartbeat Where exactly is the SA and AV nodes located? How does the SA and AV nodes work?	3.2 (c) - The Heart - Heartbeat control.mp4
3.5 Ear	Outline components of the ear giving functions of each State functions of the ear other than hearing Distinguish between the outer, middle and inner ear What does the Eustachian tube and pinna do? Where does the Eustachian tube connect to? What parts of the Eye have similar functions to parts in the Ear? Can you match them?	3.5 (e) - The Ear.mp4			
3.5 Viruses	Draw a diagram of a virus and name the components of them. What is meant by the term 'obligate parasite'	3.5 (j) - Viruses.mp4			

3.4 Excretion	Define the term homeostasis Draw and label a diagram of the nephron Where in the nephron does filtration take place? Where does reabsorption take place? What features of the nephron aid homeosttsis? How does the nephron contribute to homeostasis? Refer to reabsorption of water and removal of waste	3.4 (c) - Excretory System - Intro & The Skin.mp4 3.4 (d) - The Excretory System - The Urinary System & The Kidney.mp4			
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