AS Biology

Year 12 LP5

This half term: Skills, Knowledge and Understanding to be developed: ***Skills (students WILL BE ABLE to by the end of the Learning Programme:*** describe the mode of nutrition of a variety of organisms; ***Knowledge (students WILL KNOW by the end of the Learning Programme):*** how organisms are adapted for obtaining nutrients. ***Understanding (students WILL DEMONSTRATE THEIR UNDERSTANDING by the end of the Learning:*** the importance of biodiversity and maintaining biodiversity; why organisms have evolved to have a specialised digestive system.			***Key Terms / Words:*** Autotroph Photoautotroph Chemoautotroph Heterotroph Saprophyte / Saprobiont Detritivore Parasite
LP 5 – Week 1 Learning Outcomes: Students will be able to distinguish between the various modes of nutrition of organisms be able to describe the process of nutrition in unicellular organisms, e.g. Amoeba		***Success criteria:*** Students will describe the mode of nutrition and give examples of organisms that rely on each mode of nutrition. Answer an examination question on modes of nutrition.	***Homework LP 5*** Revise the modes of nutrition in preparation for CDG assessment. Complete the online homework for the lesson on modes of nutrition.
LP 5 – Week 2 Learning Outcomes: Students will know the adaptations of the human gut to a mixed, omnivorous diet that includes both plant and animal material, including examination of microscope slides of duodenum and ileum Students will be able to describe how and where different food substances are digested in the human digestive system.		***Success criteria:*** Students will identify and name the organs of the human digestive system and describe the adaptations of the various organs. Students will describe how foods are broken down by the various enzymes.	***Homework LP 5*** Revise the adaptations of the human gut in preparation for the CDG assessment.
LP 5 – Week 3 Learning Outcomes: Students will be able to describe the adaptations of a herbivores digestive system and their dentition. Students will be able to describe the adaptations of parasites for obtaining nutrients.		***Success criteria:*** *Students will use their knowledge of herbivores and carnivore adaptations for obtaining nutrition to answer examination questions.* *Students will use their knowledge of how parasites are adapted to answer examination questions.*	***Homework LP 5*** Revise the adaptations of the human gut in preparation for the CDG assessment.
LP 5 – Week 4 Learning Outcomes: **CDG ASSESSMENT** **Students will apply and demonstrate their skills, knowledge and understanding in an end of unit exam.**	Assessment **CDG Ass** **Mark** **Grade**	**CDG ASSESSMENT** *Students will apply their knowledge to WJEC examination questions*	***Homework LP 5***

LP 5 – Week 5 -7 Learning Outcomes: Students will use this time to consolidate their learning and time will be used to ensure that they have completed all assessments todate. Students will undertake some research on one of the ket themes in preparation for the A2 Biology course.			