15 things YOU can do to ensure success in Biology

1. Describe the similarities and differences between eukaryotic and prokaryotic cells.	**2.** Describe and explain 3 ways in which each of the following are specialised: Nerve cell, Muscle cell, Root hair cell, Sperm cell, Photosynthetic cell, xylem cell and phloem cell.	**3.** Produce a revision card with information on osmosis, diffusion and active transport. Give examples of where they happen.	**4.** Produce a flow chart of the organisation of structures within the human body from cells through to organ systems including specific examples of each for a plant and an animal.	**5.** Draw and label the internal structure of the leaf.
6. Find and watch YouTube clips on photosynthesis and the various ways in which the plant uses glucose	**7**. What are stem cells? Name the two types and how they are used.	**8**. Write a set of instructions for Yr7 students on how you use a quadrat to random sample, and how a line transect is used.	**9.** What is a human population explosion and what is the impact on the earth. Produce a mind map of ideas.	**10.** Construct a table showing food groups, enzymes and products of digestion
11. Create a list of digestive enzymes and the parts of the digestive system in which they are produced.	**12.** Give 5 words to describe Mitosis. Explain and justify your choices (Higher do meiosis too)!	**13**. Draw punnet squares for the inheritance of dominant and recessive disorders of your choice	**14.** Produce an advertisement giving evidence of the origins of life on Earth (fossils)	**15.** Produce a revision card on the carbon cycle, water cycle and microorganisms and recycling.