

# Year 10 Home Learning Grid – Biology

For wb 13<sup>th</sup>, 20<sup>th</sup> and 27<sup>th</sup> April



Department of  
Science

You can select to do these tasks in any order that you choose. You must complete any boxes marked in yellow. Orange boxes indicate simpler tasks and bright green shows challenge tasks.

If you close an Educake quiz midway through, it will automatically save your progress. So when you log back in you can pick up where you left off.

Answer the hard Biology quiz on Educake and try to achieve more than 80%	Draw and full label a plant and animal cell.	Watch a Scientific Tv program and summarise the key points in a poster	Produce a mind map about Stem Cells – Include either the uses of stem cells in treating diseases; or some of the advantages and disadvantages of using stem cells.
Produce a set of diagrams to show how to complete the Osmosis required practical. Include the independent, dependent and control variables.	Summarise in bullet points how to complete the Osmosis Required Practical.	Summarise the method for the Microbiology Required Practical to investigate the effect of different antiseptics on bacterial growth – <i>For Separate Science students only</i>	Answer the easy Biology quiz on Educake and try to achieve more than 80%
Produce 10 flashcards based on the key points from Module 1 – Cell Biology	Complete the Separate Science exam questions on Educake – <i>For Separate Science students only</i>	Draw a table to compare diffusion, osmosis and active transport.	Draw and label 4 specialised cells; and describe what special features they have that make them good at their job – their adaptations.
Think of a Biology topic you have studied either in Year 9 or Year 10. Plan a mini lesson that you could teach to someone at home	Learn 5 physics equations off by heart.  <i>(I know this is Biology, but it wouldn't hurt to get you a head start on some Physics)</i>	Set yourself twenty questions on Educake on a topic you completed in Year 9.	Set yourself twenty questions on Educake on a topic you have completed this year