



AOLE	Subject	Year	Assessment
Science and Technology	Science	9	Biology Summer 1

Progression Table		
Progression Indicator	Knowledge/Skills	How will I demonstrate this
Excelling	Analysis skills. Analyse theory of evolution – What evidence is there? Human genome project – What is it? Benefits?	Analyse the theory of evolution Analyse the human genome project
Advancing	Theory of evolution – Charles Darwin. Evidence for this. How the idea of DNA developed? Research skills.	Explain the theory of evolution Explain how the idea of DNA has developed
Securing	Structure of DNA – Double Helix, Sugar phosphate backbone, Bases – adenine, cytosine, guanine, thymine. Difference between selective breeding and genetic engineering Evolution – what is it? examples	I can describe the structure of DNA I can describe the difference between selective breeding and genetic engineering I can describe evolution
Beginning	Name of the structure of DNA – double helix What selective breeding is? With examples What genetic engineering is? With examples	I can recall the structure of DNA I can recall what selective breeding is I can recall what genetic engineering is