

Activity 4

Teacher checklist for 9700

These are the topics candidates should study:

	RAG rating: my confidence to teach	RAG rating: my learners' ability to understand
Cell structure		
The microscope in cell studies		
Cells as the basic units of living organisms		
Biological molecules		
Testing for biological molecules		
Carbohydrates and lipids		
Proteins and water		
Enzymes		
Mode of action of enzymes		
Factors that affect enzyme action		
Cell membranes and transport		
Fluid mosaic membranes		
Movement of substances into and out of cells		
The mitotic cell cycle		
Replication and division of nuclei and cells		
Chromosome behaviour in mitosis		
Nucleic acids and protein synthesis		
Structure and replication of DNA		
Protein synthesis		
Transport in plants		
Structure of transport tissues		
Transport mechanisms		
Transport in mammals		
The circulatory system		
The heart		
Gas exchange and smoking		
The gas exchange system		
Smoking		
Infectious disease		
Infectious diseases		
Antibiotics		
Immunity		
The immune system		
Antibodies and vaccination		
Energy and respiration		
Energy – ATP		
Respiration		

Photosynthesis		
Photosynthesis as an energy transfer process		
Investigation of limiting factors		
Adaptations for photosynthesis		
Homeostasis		
Homeostasis in mammals		
Homeostasis in plants		
Control and co-ordination		
Control and co-ordination in mammals		
Control and co-ordination in plants		
Inherited change		
Passage of information from parent to offspring		
The role of genes in determining phenotype		
Gene control		
Selection and evolution		
Variation		
Natural and artificial selection		
Evolution		
Biodiversity, classification and conservation		
Biodiversity		
Classification		
Conservation		
Genetic technology		
Principles of genetic technology		
Genetic technology applied to medicine		
Genetically modified organisms in agriculture		