

**UTC Biology Department Learning Cycles 2019 – Year 11**

<b>Cycle 2.6</b>	<b>Cycle 2.7</b>	<b>Cycle 2.8</b>	<b>Cycle 2.9</b>	<b>Cycle 2.10 Revision</b>
Name: The nervous system and homeostasis	Name: Reproduction and inheritance	Name: Classification, variation and genetic engineering.	Name : Ecosystems and the environment	
Topics	Topics	Topics	Topics	Topics
Content: Neurones, synapses and the reflex arc (required practical 7) The brain The eye The hormonal control of humans Control of body temperature Control of blood glucose Diabetes The kidney and kidney failure Control of water and nitrogen levels in the body. Plant hormones and tropisms (required practical 8)	Content: The menstrual cycle Fertility treatment Sexual and asexual reproduction DNA and the genome Mitosis Protein synthesis Inheritance of eye colour Genetic disorders and mutations Sex determination	Content: Variation Selective breeding Genetic engineering Cloning Evolution and Charles Darwin Adaptations Extinction Classification	Content: Classification Communities Interdependence Sampling ecosystems (required practical 8) Producers, consumers The carbon cycle and the water cycle Biodiversity and pollution Land use, deforestation and global warming	Revision of all topics covered over the two years
<b>Keywords</b>	<b>Keywords</b>	<b>Keywords</b>	<b>Keywords</b>	<b>Keywords</b>
Homeostasis, Synapses, Neurones, Cerebral Cortex, Myopia, Hyperopia, Vasodilation, Vasoconstriction, Hypo/Hyperthermia, Endocrine, Insulin, Glucagon, Diabetes, Anti-Diuretic Hormone (ADHD), Dialysis, Auxin, Tropism, Gibberellins, Ethene,	Oestrogen, Progesterone, Testosterone, Menopause, Follicle-stimulating Hormone (FSH), Luteinising Hormone(LH), Contraception, Meiosis, Mitosis, Genome, Mutation, Heterozygous, Homozygous, Dominant, Recessive, Alleles, Phenotype, Geneotype, Cystic Fibrosis,	Continuous, Discontinuous, Distribution, Mutations, Genetic Engineering, Transgenic, Cloning, Speciation, Selection, Extinction, Classification, Eukaryota, Bacteria, Archaea,	<b>Competition., Communities, Biotic and Abiotic, Structural Behavioural Physiological Adaptations ,Environments, Sampling, Quadrats, Producers, Consumers, Decomposers, Biodiversity, pollution, Deforestation, Conservation</b>	
<b>Topic Assessments Used</b>	<b>Topic Assessments Used</b>	<b>Topic Assessments Used</b>	<b>Topic Assessments Used</b>	<b>Topic Assessments Used</b>