

## Biology Curriculum Plan

Year	Term 1	Term 2	Term 3
<b>7</b>	<b>Organisms 1</b>	<b>Ecosystems &amp; Energy 1</b>	<b>Inheritance 1</b>
	Cell Structure	Food Chains & Webs	Human Reproductive Systems
	Microscopes	Interdependence	Pregnancy & Birth
	Bacterial Cells	Predator/Prey Cycle	Menstrual Cycle
	Role of Diffusion	Ecosystems vs habitat vs niche	Plant Reproductive Systems
	Skeletal & Muscular Systems	Biodiversity	Seed dispersal
		Pollination Bioaccumulation	
<b>8</b>	<b>Organisms 2</b>	<b>Ecosystems &amp; Energy 2</b>	<b>Inheritance 2</b>
	Specialised cells/tissues/organs	Respiration- Aerobic & Anaerobic	DNA, genes, chromosomes
	Gas Exchange System	Photosynthesis	Development of DNA
	Effects of asthma/smoking on lungs		Species & Differences
	Digestive System		Variation
	Healthy Diet/lifestyle		Natural Selection & Evolution
			Extinction & Fossils

# Biology Curriculum Plan

9	<b>Cells</b>	<b>Organisation</b>	<b>Infection &amp; Response</b>
	Cell Structure	Cells, tissues, organs	Pathogens & Disease
	Investigating Cells- Microscopy	Digestion & Enzymes	Human Defences
	Cell Division	Blood & Circulation	Treating Diseases
	Cell Transport	Non-Communicable Disease	Plant Disease
	DNA, genes, chromosomes	Plant Transport	Drug Development
	Stem Cells		
10	<b>Bioenergetics</b>	<b>Homeostasis &amp; Response</b>	<b>Inheritance</b>
	Photosynthesis	Homeostasis & Body Temperature	Sexual/Asexual Reproduction
	Rate of photosynthesis	Nervous System	DNA & Protein Synthesis
	Aerobic Respiration	The eye & brain	Patterns of Inheritance
	Anaerobic Respiration	Endocrine System	Variation & Evolution
	Metabolism	Blood Glucose & Diabetes	Natural Selection
	Effects of exercise	Hormones & Reproduction	Selective Breeding
	Plant Hormones	Genetic Engineering	
		Cloning	
11	<b>Inheritance</b>	<b>Ecology</b>	<b>EXAM PERIOD</b>
	Sexual/Asexual Reproduction	Classification	
	DNA & Protein Synthesis	Ecosystems	
	Patterns of Inheritance	Biotic/Abiotic Factors	
	Variation & Evolution	Cycles- Carbon & Water	
	Natural Selection	Disrupting Ecosystems	
	Selective Breeding	Food Chains/Pyramids of Biomass	
	Genetic Engineering	Biodiversity	
	Food security & biotechnology		