

YEAR 10 CURRICULUM INFORMATION - Biology

	Autumn 1	Autumn 2
What will students be learning?	Health, Lifestyle and disease, Cancer, Aseptic techniques, Communicable diseases, White blood cells, Vaccinations, Antibiotics and painkillers, Drug development, Monoclonal antibodies, Plant disease	Homeostasis, Reflexes, Reaction time, The brain, The eye, Thermoregulation, Endocrine system, Blood glucose concentration, Kidneys, hormones in reproduction, contraception, IVF, Plant growth and control, Germination
How will students be assessed?	Weekly Knowledge Checks Low stakes quiz in lessons Exam Q practice End of topic milestone	Weekly Knowledge Checks Low stakes quiz in lessons Exam Q practice Mid topic milestone End of topic milestone
Literacy – What keywords will be taught?	Communicable, pathogen, antibody, antigen, antitoxin, vaccination, engulf, transmission, infection, prevention, treatment, vector, microbes, immune, antibiotic, painkiller, herd immunity, resistance, placebo, double-blind, monoclonal, adaptations, mechanical, physical, chemical.	Homeostasis, vasodilation, vasoconstriction, thermoregulation, negative feedback, receptor, synapse, impulse, automatic, voluntary, effector, endocrine, hormone, insulin, glucagon, glycogen, glucose, diabetes, osmoregulation, ADH, deamination, dialysis, auxin, ethene, gibberellins, culture.
What employability skills are being developed?	Interpersonal skills Group work Logical and lateral thinking Developing links between topics and ideas Investigative skills Analytical skills	Interpersonal skills Group work Logical and lateral thinking Developing links between topics and ideas Investigative skills Analytical skills
Wider Curriculum Links?	Child Development History Political sciences	Child Development History Political sciences Law
What useful websites are there for this topic?	Save my Exams BBC Bitesize Seneca	Save my Exams BBC Bitesize Seneca
What wider reading could be done for this topic?	BBC news – Health section	BBC news – Health section

<p>What else can students be doing independently to develop their understanding of this topic?</p>	<p>Regularly reviewing work and topics completed in lessons Completing further reading around the topics covered Revise for milestone assessments Revise using mastery booklets weekly Practice mathematical skills such as range, mean, percentages and graph skills etc</p>	<p>Regularly reviewing work and topics completed in lessons Completing further reading around the topics covered Revise for milestone assessments Revise using mastery booklets weekly Practice mathematical skills such as range, mean, percentages and graph skills etc</p>
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