

YEAR 9 CURRICULUM INFORMATION - Biology

	Autumn 1	Autumn 2
What will students be learning?	Animal and plant cells, Specialised cells, Stem cells, Microscopes, Magnification, Aseptic technique	Mitosis and the cell cycle, Diffusion, Osmosis, Osmosis in plant tissue
How will students be assessed?	Weekly Knowledge Checks Low stakes quiz in lessons Exam Q practice Mid topic milestone 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?	Cell membrane, cytoplasm, nucleus, mitochondria, chloroplast, cell wall, vacuole, ribosome, eukaryotic, prokaryotic, organelles, focus, resolution, magnification, stem cell, differentiated/specialised, ethical, mitosis, chromosome, binary fission, genetically identical, diffusion, active transport, osmosis, semi-permeable membrane, concentration, gradient, passive, uncontaminated, culture.	Cell membrane, cytoplasm, nucleus, mitochondria, chloroplast, cell wall, vacuole, ribosome, eukaryotic, prokaryotic, organelles, focus, resolution, magnification, stem cell, differentiated/specialised, ethical, mitosis, chromosome, binary fission, genetically identical, diffusion, active transport, osmosis, semi-permeable membrane, concentration, gradient, passive, uncontaminated, 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?	DT Child development Food technology Mathematics	DT Child development Food technology Mathematics
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

What else can students be doing independently to develop their understanding of this topic?

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

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