

Subject	Year	Term
Science	7	1
Topic		
7B1 The Basics of Life		
Content (Intent)		
<p>Prior Learning: KS1 and KS2 National Curriculum – plant growth requirements, water transport, seed dispersal and plant life cycles.</p>		
<p>Pupils should be taught to:</p> <ul style="list-style-type: none"> • Using Microscopes to observe cells • Plant and Animal cells and their organelles • Unicellular Organisms • Cells to Organisms • The Leaf and Photosynthesis • Movement in and out of Cells • Reproduction in Plants • Seed Dispersal • Human reproductive systems • Gametes and fertilisation • The Development of a Baby • Puberty and the menstrual cycle 		
Future Learning: GCSE: B1 Cell Biology, 11B1 Cells & Cell Division and 11B3 Inheritance & Evolution		
How will knowledge and skills be taught? (Implementation)	How will your understanding be assessed & recorded (Impact)	
<p>Demos: diffusion of scents from a balloon.</p> <p>Practical work: making slides & using a microscope to observe cells; using a microscope to observe stomata; diffusion of iodine into starch solutions of different temperatures; flower dissection; investigating seed dispersal.</p> <p>Written: Notes and completed worksheets in exercise books, research tasks using fact cards.</p>	<p>- 2 x Standard Homework Tasks: Level given. Written feedback. Response expected.</p> <p>-1 x End of Topic Test: Level given. Verbal feedback to class and individuals.</p>	
How can parents help at home?		
<p>Look at 7B1 topic resources on the VLE and use the CGP KS3 Study Guide provided.</p> <p>Use appropriate YouTube channels [Cognito, PrimroseKitten, KhanAcademy, FuseSchool, AmoebaSisters, Freesciencelessons] and documentaries [Green Planet]</p> <p>Take an interest! Be curious and ask your child about their learning.</p>		
Helpful further reading/discussion		
<p>Reading</p> <p>Horrible science series</p> <p>BBC – Incredible human journey</p> <p>How the body works: the facts simply explained</p> <p>How to grow a human</p>	<p>Vocabulary Lists</p> <p><i>Cytoplasm, mitochondria, chloroplast, vacuole, ribosome, cell membrane, cell wall, nucleus, unicellular, resolution, magnification, palisade mesophyll, epidermis, spongy mesophyll, air spaces,</i></p>	<p>Careers Links</p> <p>Medicine (doctor/ nurse)</p> <p>Agriculture</p> <p>Horticulture</p> <p>Scientific research</p>

	<i>stomata, guard cells, stigma, style, anther, filament, petal, sepal, ovule, pollen, testes, penis, sperm duct, prostate gland, vagina, ovaries, oviduct, uterus, fertilisation, zygote, embryo, foetus, puberty, menstruation, hormones, oestrogen, progesterone, testosterone.</i>	
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