



Year 7	Reproduction and Photosynthesis	18 Lessons	
Aims: This unit of work is designed build on students’ prior knowledge of animal and life cycles. Is also covers many topics that can be seen as fundamental to the study of Chemistry			
Links to KS4: Chapter 1 – Cell Biology Chapter 2 - Photosynthesis			
Key Skills		Literacy Links:	Numeracy Links:
<ul style="list-style-type: none">To develop an understanding of the structure and function of the male and female reproductive systems and link those to the process of fertilisation and birth.To be able to explain how plants reproduce and make comparisons to reproduction in animals.To be able to explain how plants are adapted to carry out photosynthesis and consider how farming methods are changing to meet the needs of the increasing population.		Key Words: fallopian tube, ovary, vagina, uterus, cervix, penis, testes, scrotum, sperm duct, gestation, pollen, ova, sperm, contractions, pregnancy, photosynthesis. Be able to read and use these keywords within Scientific situations both verbally and written.	
Assessment		Cross-Curricular Links	
<ul style="list-style-type: none"><i>Pink sheet teacher assessed activity – Male and female reproductive systems.</i><i>50-mark test which will focus on the following key areas: Pregnancy and birth, Fertilisation, flower structure, germination and seed dispersal, Photosynthesis.</i>		<ul style="list-style-type: none">Ethics – parental responsibilities	
		SMSC opportunities and British values	
		Consideration of the responsibilities of mother during pregnancy, the things that babies need to be healthy and of when it is a good time to have a child.	
Opportunities for further learning			
Homework for year 7 is set on a weekly basis. Below are a range of different activities which could be used throughout the unit: Option 1: Researching the different reproductive strategies used by organisms e.g. asexual reproduction, sexual reproduction, binary fission. Option 2: A comparison of structures and functions of the different parts of the male and female reproductive system. Option 3: Write replies to articles from a magazine problem page. Option 4: Writing an advice leaflet for pregnant women. Option 5: Researching how twins are made. Option 6: A comparison of the features of wind and animal pollinated plants. Option 7: Making models of specialised plant cells to show how they are adapted for photosynthesis. Option 8: Research the ways that farmers increase the yield of their crops.			