



Lessons Sequence							
<p>TOPIC (S) Reproduction</p>	<p>1. Puberty and adolescence 2. Male Reproductive Organs 3. Female Reproductive Organs 4. Menstrual Cycle 5. Fertilisation 6. Gestation and birth</p> <p>7. Effect of maternal lifestyle 8. Mid Topic Test 9. Reproduction in plants 10. Plant fertilisation and germination 11. Fruit formation and seed dispersal 12. End of Topic Test</p>						
<p>Knowledge & Skills development</p>	<ul style="list-style-type: none"> Awareness of physical and emotional changes during puberty. Ability to understand the functions of different parts of the male and female reproductive organs Ability to recognise different types of reproduction. Sequence events from fertilisation to birth. Awareness of lifestyle choices and impact on the foetus. How flowers reproduce. <ul style="list-style-type: none"> What a fruit and seed are, and the importance of each. Knowledge of different methods of seed dispersal Investigation into seed dispersal 						
<p>Assessment / Feedback Opportunities</p>	<table border="1"> <tr> <td>Targeted questioning throughout topic</td> <td>Teacher assessment of practical skills during investigation - verbal</td> <td>AWOL assessment – formative teacher assessment in students books</td> <td>Mid topic assessment – formative assessment</td> <td>Homework topic quiz – formative assessment</td> <td>End of topic assessment – teacher summative assessment</td> </tr> </table>	Targeted questioning throughout topic	Teacher assessment of practical skills during investigation - verbal	AWOL assessment – formative teacher assessment in students books	Mid topic assessment – formative assessment	Homework topic quiz – formative assessment	End of topic assessment – teacher summative assessment
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<p>Cultural Capital</p>	<ul style="list-style-type: none"> Possible visit by school nurse/midwife Planting seeds to see growth Possible local conservation projects 						
<p>SMSC / Promoting British Values (Democracy, Liberty, Rule of Law, Tolerance & Respect)</p>	<ul style="list-style-type: none"> Scientists Watson and Crick and how scientific community works together Where locally to access healthcare support Physical and emotional changes to the body Lifestyle choices including those of a pregnant woman and effect on the foetus Life skills – healthy lifestyle Listening to others during presentations Working in groups during practical’s or research tasks 						
<p>Reading opportunities</p>	<ul style="list-style-type: none"> NHS information about health Recommended Read: Puberty Reproduction and Birth (Oaka Books) Recommended Read: Variation and Classification (Oaka Books) 						

Key Vocabulary	Independent Variable, Dependent Variable, Control Variables, Method, Conclusion, Precaution, Evaluation, Reliable, Precision, Valid, Anomaly Sperm, testes, penis, sperm duct, ovum, oviduct, ovary, uterus, vagina, placenta, umbilical cord, amniotic fluid, fertilisation, foetus, gestation, ovulation, menstruation, puberty, adolescence, pollination, seed, dispersal, variation, inheritance, chromosome, DNA, gene, natural selection, evolution, extinction
Digital Literacy	SharePoint resources including topic quiz Possible use of excel to plot graphs and analyse data, powerpoint, word, etc to present information, internet for research
Cross-Curricular Links	Geography, PHSCE, Numeracy/Maths – averages (means), reading scales, graph plotting, lines of best fit, using and rearranging equations, using scientific calculators
Careers	Nursing, Midwifery, Conservation worker, research scientist.