



Learning Journey – 7D Reproduction

What have I done previously in my learning journey?		
Previously....	You have learnt previously about plants. This has involved: <ul style="list-style-type: none"> describing the differences in the life cycles of a mammal, an amphibian, an insect and a bird describing the life process of reproduction in some plants and animals. describing the changes as humans develop to old age. 	
In this topic...	You will learn about reproduction in humans (as an example of a mammal), including the structure and function of the male and female reproductive systems, menstrual cycle, gametes, fertilisation, gestation and birth, to include the effect of maternal lifestyle on the foetus through the placenta. Reproduction in plants, including flower structure, wind and insect pollination, fertilisation, seed and fruit formation and dispersal.	
We will develop our learning by studying the following each lesson:		RAG
7D.01 Puberty and the human reproductive system	<ul style="list-style-type: none"> Describe the changes that happen in male and female bodies during puberty State some tissues and organs in the human reproductive system Describe the functions of tissues and organs in the human reproductive system 	<input type="checkbox"/> Scientific Methods <input type="checkbox"/> Practical <input type="checkbox"/> Number skills <input type="checkbox"/> Application <input type="checkbox"/> Communication
7D.02 The Menstrual Cycle	<ul style="list-style-type: none"> Describe the different stages of the menstrual cycle 	<input type="checkbox"/> Scientific Methods <input type="checkbox"/> Practical <input type="checkbox"/> Number skills <input type="checkbox"/> Application <input type="checkbox"/> Communication
7D.03 Fertilization	<ul style="list-style-type: none"> Define the term 'gamete' Describe the journey the gametes take to complete fertilisation. 	<input type="checkbox"/> Scientific Methods <input type="checkbox"/> Practical <input type="checkbox"/> Number skills <input type="checkbox"/> Application <input type="checkbox"/> Communication
7D.04 Infertility	<ul style="list-style-type: none"> Describe how different lifestyles can harm the foetus Describe some causes of, and treatments for infertility Evaluate methods used to treat infertility 	<input type="checkbox"/> Scientific Methods <input type="checkbox"/> Practical <input type="checkbox"/> Number skills <input type="checkbox"/> Application <input type="checkbox"/> Communication
7D.05 Pregnancy	<ul style="list-style-type: none"> Describe the stages of the development of a foetus from fertilisation to birth. Explain how the developing foetus relies on the mother for nutrients, waste removal and protection. 	<input type="checkbox"/> Scientific Methods <input type="checkbox"/> Practical <input type="checkbox"/> Number skills <input type="checkbox"/> Application <input type="checkbox"/> Communication
7D.06 Plant reproduction	<ul style="list-style-type: none"> Identify the main structures in a flower and identify those that are male and those that are female. Name two methods of plant pollination 	<input type="checkbox"/> Scientific Methods <input type="checkbox"/> Practical <input type="checkbox"/> Number skills <input type="checkbox"/> Application <input type="checkbox"/> Communication
7D.07 Seed Dispersal Investigation	<ul style="list-style-type: none"> Describe two methods of pollination Explain how plants are adapted for pollination Describe plant fertilisation Describe how seeds are dispersed 	<input type="checkbox"/> Scientific Methods <input type="checkbox"/> Practical <input type="checkbox"/> Number skills <input type="checkbox"/> Application <input type="checkbox"/> Communication



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Ad Astra ★

Key Vocabulary								
Puberty	ovary	oviduct	penis	scrotum	Sperm duct	testes	uterus	vagina
period	menstruation	egg	fallopian tube	alcohol	donor	infertility	smoking	STIs
fertilisation	Foetus	placenta	nutrients	Umbilical cord	pollination,	pollen	ovules	carpel
stigma	petal	ovary	stamen	anther	pollinators	Seed dispersal		

Future Learning	At GCSE you learn about the relationship between health and disease, communicable diseases including sexually transmitted infections in humans (including HIV/AIDs). You will learn about the the entire genetic material of an organism, how the genome, and its interaction with the environment, influence the development of the phenotype of an organism, the potential impact of genomics on medicine, sex determination in humans and genetic variation in populations of a species.
In careers	This knowledge of the reproduction of animals and plants is useful in the health sector as well as farming. It has led to advances in science including cell cloning and genetic modification in plants and animals meaning Scientists can alter characteristics of organisms as necessary