

7B Animal Sexual Reproduction	Knowledge, Skills and Understanding
Higher	<p>Explain the implications of different methods of fertilisation in fish, birds and mammals</p> <p>Explain the implications of a certain level of animal offspring aftercare in different situations</p> <p>Explain the links between scientific advances and survival rates of humans.</p> <p>Suggest reasons for differences between the same types of specialised cells from different organisms</p> <p>Use knowledge of reproductive organs to suggest causes of reproductive problems.</p> <p>Suggest a function for an unknown animal cell based on its adaptations</p> <p>Identify and explain the points in reproduction where difficulties in becoming pregnant could occur</p> <p>Explain how IVF and hormones can be used to increase the chances of pregnancy</p> <p>Explain why ultrasound scans are used during pregnancy</p> <p>Explain why acne may become a problem during puberty.</p>
Intermediate	<p>Compare the sexual reproduction of fish, birds and mammals</p> <p>Compare the amount of care of offspring in fish, birds and mammals</p> <p>Describe how the fusing of gametes and their nuclei during fertilisation forms a fertilised egg cell.</p> <p>Use knowledge of the positions or shapes of reproductive organs to make deductions about reproductive processes.</p> <p>Suggest outcomes caused by problems with reproductive organs</p> <p>Explain how sperm cells and egg cells are adapted to their functions</p> <p>Compare the reproductive systems of humans and other animals.</p> <p>Describe what happens during cell division</p> <p>Explain how identical and non-identical twins occur</p> <p>Describe how materials are supplied and removed from the foetus.</p> <p>Identify stages of growth from embryo to newborn baby and recall how these stages can be checked</p> <p>Describe what happens during labour and birth in humans</p> <p>Explain why breast milk is best for newborn babies</p> <p>Describe the effects of some substances that may harm a developing foetus.</p> <p>Compare the life cycles of different animals</p> <p>Identify the role of sex hormones in puberty</p> <p>Describe what happens to parts of the body during puberty and adolescence</p> <p>Explain the purpose of the menstrual cycle</p> <p>Use knowledge of the menstrual cycle to predict timings (e.g. of menstruation, ovulation, fertile period).</p>
Foundation	<p>Identify ways in which animals care for their offspring</p> <p>Identify animals that reproduce sexually and correctly use the term: sexual reproduction</p> <p>Describe how different animals care for their offspring</p> <p>Describe how fish, birds and mammals reproduce sexually</p> <p>Identify sperm cells and egg cells as gametes and correctly use the term: gamete.</p> <p>Identify the structures and organs in the human reproductive system</p> <p>Describe the functions of the structures and organs of the human reproductive system</p> <p>Identify sperm cells and egg cells as specialised cells and recall that they are adapted to their functions.</p> <p>Describe how a woman becomes pregnant after fertilisation and correctly use the term: implantation</p> <p>Recall the names of the structures surrounding the developing foetus</p> <p>Identify the placenta and umbilical cord</p> <p>Describe how the developing foetus is protected inside the mother</p> <p>Recall the names of substances in a mother's blood that may harm a developing foetus and correctly use the term: premature baby</p> <p>Recall when human babies change their diet and correctly use the term: mammary gland</p> <p>List the main stages in giving birth in humans</p> <p>Recall the length of the gestation period in humans and correctly use the term: gestation period.</p> <p>Describe an animal's life cycle using a diagram</p> <p>Identify the parts of the body that change in males and females during puberty and correctly use the terms: puberty, adolescence</p> <p>Recall the length of and stages in the menstrual cycle.</p>