

Appendix 2 - Relationships and Sex Education content which is taught within the science curriculum ([click here to see the science curriculum](#))

Year group	Content	Science	
7	Genes 1 January	Human reproductive system Puberty Menstrual cycle Sexual intercourse and fertilization Pregnancy and the placenta Gestation and giving birth	<p>To be able to name, locate and describe the function of human reproductive systems. To know the differences between male and female gamete production.</p> <p>To know how the body changes during puberty. To be able to collect data and represent it graphically.</p> <p>To know what happens during the menstrual cycle. To be able to interpret graphical information.</p> <p>To know the role of sperm and egg in fertilisation. To understand the importance of the placenta. To know how substances diffuse between the mother and fetus.</p>
9	Reproduction Oct- Dec	Human reproductive system Sexual intercourse and fertilization Menstrual cycle Pregnancy	<p>To understand how the structure of the male and female reproductive systems. To understand the roles of estrogen and testosterone in adolescence. To understand how the developing embryo is protected by amniotic fluid.</p> <p>To understand why some couples might need fertility treatment - IVF treatments. To appreciate areas of concern regarding contraception and seek resolutions, also where to get tested for STI's and the importance of smear tests.</p> <p>To know what happens during the menstrual cycle. To be able to interpret graphical information.</p> <p>Development of fetus and pregnancy.</p>
10	Cell Biology September	Specialised cells Variety of living organisms Cell structure	<p>Recap of specialised cells include egg and sperm.</p> <p>To understand the term pathogen in relation to STI's and HIV as a virus and gonorrhoea as a bacterial infection. To explain the importance of specialised cells in reproduction - sperm and egg cells.</p>
11	Homeostasis Sept - Oct Inheritance Oct - Nov	Sexual intercourse and fertilization Reproduction	<p>The role of hormones in the menstrual cycle, FSH, estrogen, LH and progesterone. To understand why some couples might need fertility treatment - IVF treatments. To appreciate areas of concern regarding contraception and seek resolutions, also where to get tested for STI's and the importance of smear tests.</p> <p>To understand the differences between sexual and asexual reproduction. To understand that fertilisation involves the fusion of a male and female gamete to produce a zygote that undergoes cell division and develops into an embryo.</p>