

GCSE Biology B13: Reproduction

What are we learning?	What knowledge, understanding and skills will we gain?	What does excellence look like?	What additional resources are available?
<p>The inheritance of characteristics as a result of different types of reproduction</p>	<p>Knowledge</p> <ul style="list-style-type: none"> • Two types of reproduction, sexual and asexual • Structure of genes as the unit of inheritance • List some genetic disorders and some key facts about them • Key terminology including, gene, DNA, heterozygous, homozygous, dominant and recessive <p>Understanding</p> <ul style="list-style-type: none"> • Compare the advantages and disadvantages to organisms who use either type of reproduction • How sexual reproduction, the production of gametes via meiosis gives rise to variation in offspring • Use a punnett square to consider the likelihood of a genetic illness being passed onto the offspring. • Discuss the ethical implications of embryo screening <p>Skills</p> <ul style="list-style-type: none"> • Evaluate the effectiveness of models in modelling DNA and inheritance 	<p>Justified statements that agree or disagree with the use of genetic screening that consider the social, moral and economical sides of the debate</p> <p>Interpretation of complex family genetic inheritance trees containing three or more generations to determine the genotype of ancestors.</p> <p>Extended study into A Level, the structure of DNA as base pairs of nucleotides connected by sugar phosphate backbone</p> <p>Own independent research into a genetic disorder that hasn't been studied in class.</p>	<p>BBC Bitesize</p> <p>Doddle – power points and quick quizzes</p> <p>You tube: 'Free science lessons'</p> <p>Seneca learning platform</p>

