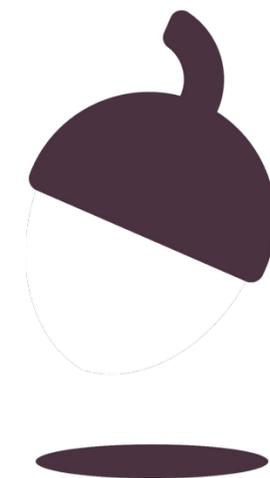


Combined Science - Biology - Key Stage 4

Inherited Disorders Part 1 - Foundation

Mrs Gibbs



OAK
NATIONAL
ACADEMY

Inherited disorders are passed from _____ to _____. They are caused by _____ in alleles.



Independent task

- What is the probability the offspring will have polydactyly?

		Male	
		<i>p</i>	<i>p</i>
Female	<i>P</i>		
	<i>p</i>		

- Genotypes of parents:
- Heterozygous or homozygous?
- Phenotypes of parents:
- Percentage of offspring with polydactyly:
- Ratio of offspring with polydactyly:



Independent task

- What is the probability the offspring will have cystic fibrosis (CF)?

		Male	
		f	f
Female	F		
	F		

- Genotypes of parents:
- Heterozygous or homozygous?
- Phenotypes of parents:
- Percentage of offspring with CF:
- Proportion of offspring with CF



Inherited disorder	Dominant or recessive?	Disorder of	Symptoms	Genotype of sufferers
Polydactyly		Fingers and toes		_____ or _____
Cystic fibrosis				ff

