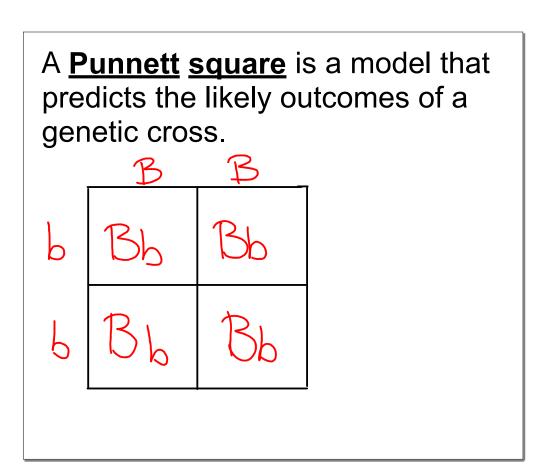
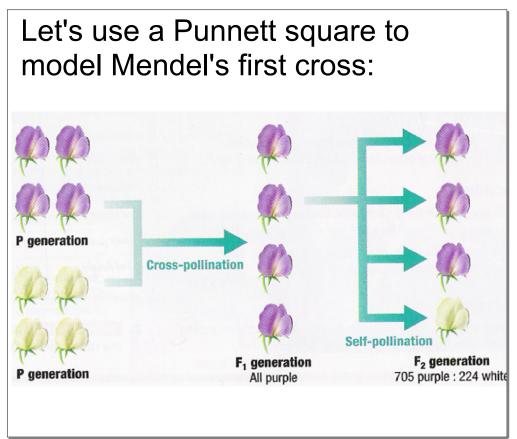
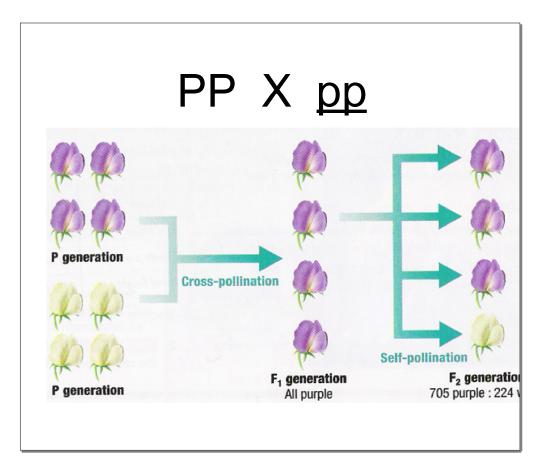
**<u>Standard</u>**: Students will analyze how biological traits are passed on to successive generations.

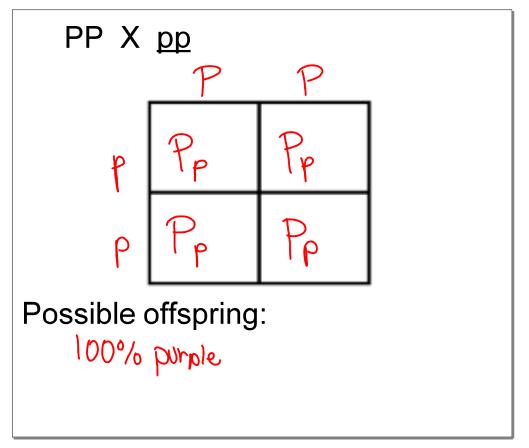
**Element**: Using Mendel's laws, explain the role of meiosis in reproductive variability.

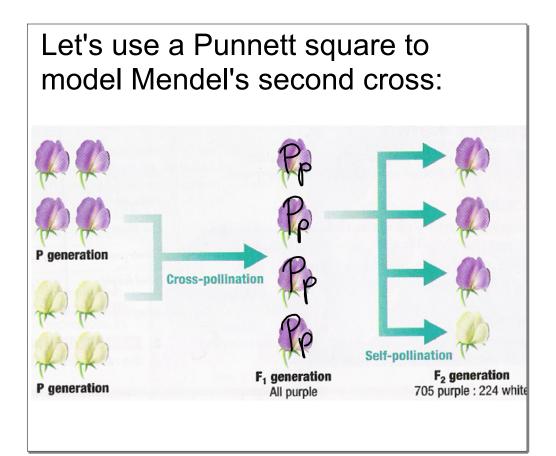
**EQ**: How can we use Punnett squares to predict genotypes and phenotypes of offspring?

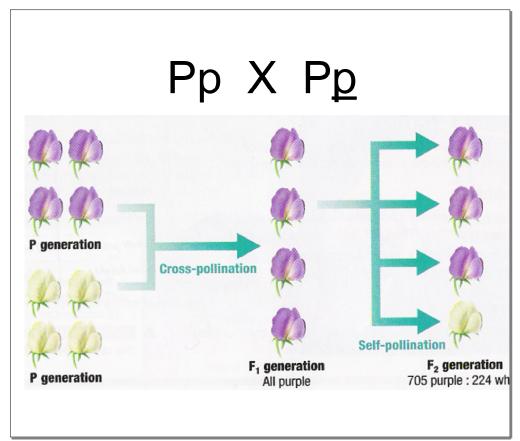


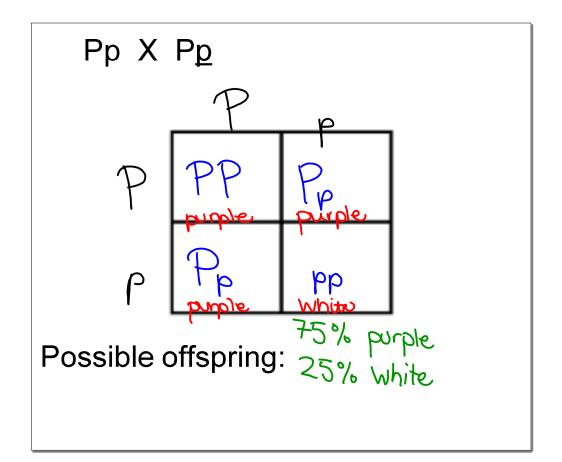












In humans, Huntington's Disease is caused by a dominant allele. If a man who is heterozygous marries a woman who is homozygous recessive, what is the possibility of their children having the disease?

	Geno	type	n's D. Recessive T Phenotype			]	H	h	
Father	Hh		has disease			) h	Hh	hh	
Mother									
Children	Hh	50 %	disease	50	%			111	6
	hh	50 %	normal	50	%		h	nn	<u>n</u>
	•	%			%				
		%			%				