

SCIENCE STANDARD PERFORMANCE RUBRIC

Big Idea: HEREDITY AND REPRODUCTION Unit: Heredity		Assessed at Complexity Level: 2 – BASIC APPLICATION OF SKILLS AND CONCEPTS			
SC.7.L.16.2 – Determine the probabilities for genotype and phenotype combinations using Punnett Squares and pedigrees.					
<i>Assessed as SC.7.L.16.1 - Understand and explain that every organism requires a set of instructions that specifies its traits, that this hereditary information (DNA) contains genes located in the chromosomes of each cell, and that heredity is the passage of these instructions from one generation to another.</i>					
MASTERY		Performance Indicators	BEFORE INST.	DURING INST.	AFTER INST.
4	EXCEEDING the Standard	I can relate how Punnett squares and pedigrees are useful in determining genotypic and phenotypic probabilities in offspring.			
3	MASTERY	I can determine genotypic and phenotypic probabilities using Punnett squares.			
2	PARTIAL MASTERY	I can recognize that the inheritance of genetic traits can be predicted using Punnett squares and pedigrees.			
1	BUILDING MASTERY	With help, I can demonstrate partial mastery of some of the simpler tasks listed above, but I still make mistakes.			
0	NOVICE	I currently have no knowledge or mastery of the skills and tasks listed above, but I will make an effort to learn them.			