

SCIENCE STANDARD PERFORMANCE RUBRIC

Big Idea: HEREDITY AND REPRODUCTION Unit: Heredity		Assessed at Complexity Level: 3 – STRATEGIC THINKING AND COMPLEX REASONING			
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.					
Also Assesses: SC.7.L.16.2 – Determine the probabilities for genotype and phenotype combinations using Punnett Squares and pedigrees. SC.7.L.16.3 – Compare and contrast the general processes of sexual reproduction requiring meiosis and asexual reproduction requiring mitosis.					
MASTERY		Performance Indicators	BEFORE INST.	DURING INST.	AFTER INST.
4	EXCEEDING the Standard	I can relate that every organism requires a set of instructions that specifies its traits and that genes located in chromosomes contain this hereditary information.			
3	MASTERY	I can recall that every organism requires a set of instructions that specifies its traits and that genes located in chromosomes contain this hereditary information.			
2	PARTIAL MASTERY	I can recognize that genetic material is contained in DNA.			
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.			