**Unit 3**

**Life Science: Heredity and Genetics**

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| Standard 7.L.2 | Academic Vocabulary |
| 7.L.2.1  Explain why offspring that result from sexual reproduction (fertilization and meiosis) have greater variation than offspring that result from asexual reproduction (budding and mitosis).  7.L.2.2  Infer patterns of heredity using information from Punnett squares and pedigree analysis.  7.L.2.3  Explain the impact of the environment and lifestyle choices on biological inheritance (to include common genetic diseases) and survival.  -Mitosis vs. Meiosis  -Sexual vs. Asexual -Reproduction  -Punnett Squares & Pedigree Charts  -Inherited vs. Acquired Traits | Heredity  Dominant trait  Recessive trait  Genes  Alleles  Phenotype  Genotype  Probability  Chromosomes  Mitosis  Meiosis  Pedigree  DNA  Nucleotide  Adenine  Thymine  Guanine  Cytosine  Ribosome  Mutation |