Heredity Unit

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What you need to know for the EOC

State Performance Indicators

SPI 3210.4.1	Identify the structure and function of DNA.
SPI 3210.4.2	Associate the process of DNA replication with its biological significance.
SPI 3210.4.3	Recognize the interactions between DNA and RNA during protein synthesis.
SPI 3210.4.4	Determine the probability of a particular trait in an offspring based on the genotype of the parents and the particular mode of inheritance.
SPI 3210.4.5	Apply pedigree data to interpret various modes of genetic inheritance.
SPI 3210.4.6	Describe how meiosis is involved in the production of egg and sperm cells.
SPI 3210.4.7	Describe how meiosis and sexual reproduction contribute to genetic variation in a population.
SPI 3210.4.8	Determine the relationship between mutations and human genetic disorders.
SPI 3210.4.9	Evaluate the scientific and ethical issues associated with gene technologies: genetic engineering, cloning, transgenic organism production, stem cell research, and DNA fingerprinting.

Practice Tests: http://www.mrskingsbioweb.com/ExamView.htm