

Missouri State Guidelines

Guide Line Number	Guide Line	POP!World Module Meeting Guideline
		Basic, Migration, Drift, NRM, Mutation, Selection, M+S, Crosses
Strand 3.3.d.b	Describe how genes can be altered and combined to create genetic variation within a species (e.g., mutation, recombination of genes) DOK: 2	Mutation, M+S, Crosses
Strand 3.3.e.a	Explain how genotypes (heterozygous and homozygous) contribute to phenotypic variation within a species	Basic, Crosses
Strand 3.3.e.b	Predict the probability of the occurrence of specific traits, including sex-linked traits, in an offspring by using a monohybrid cross	Crosses
Strand 4.3.c.a	Identify examples of adaptations that may have resulted from variations favored by natural selection (e.g., long-necked giraffes, long-eared jack rabbits) and describe how that variation may have provided populations an advantage for survival	Selection, Mutation M+S