AP Biology		Per 8				1/13-1/17
	Unit/Theme	Objectives	Activities	Homework	Closure/Review	Assessment
MON	5.3 Mendelian Genetics	• EVO-2.A Explain how shared, conserved, fundamental processes and features support the concept of common ancestry for all organisms. • IST-1.I Explain the inheritance of genes and traits as described by Mendel's laws. • Describe the purpose and how to interpret Chi Square analysis	• Turn in Meiosis/Mitosis Project • Notes/Lecture: 5.3 Mendelian Genetics • Analyze Chi Square • Lab: Mono and Dihybrid crosses *Monohybrid data collection *Dihybrid data collection	• Read Ch 11 • Do Chi Square with Experimental Data HO	• Analyzing with Chi Square	• Mono/Dihybrid Cross Lab
TUES	No Class	No Class	No Class	No Class	No Class	No Class
WED	5.4 Non-Mendelian Genetics	• IST-1.J Explain deviations from Mendel's model of the inheritance of traits. • Practice Monohybrid Cross Problems • Practice Dihybrid Cross Problems • Analyze Genetic Data with Chi Square	• Turn in Chi Squared and Experimental Data HO • Notes/Lecture: 5.4 Non-Mendelian Genetics • Lab: Mono and Dihybrid crosses *Monohybrid data collection *Dihybrid data collection	• Do Monohybrid Cross Practice • Sex-Linked Traits Practice	• Interpreting Monohybrid Genetic Problems	• Chi Square Analysis
THURS	No Class	No Class	No Class	No Class	No Class	No Class
FRI	5.5 Environmental Effects on Phenotype	• SYI-3.B Explain how the same genotype can result in multiple phenotypes under different environmental conditions	• Turn in Monohybrid Cross Practice • Turn in Sex-Linked Traits Practice • Notes/Lecture: 5.5 Environmental Effects on Phenotype • Lab: Mono and Dihybrid crosses *Monohybrid data collection *Dihybrid data collection	• Mono/Dihybrid Cross Lab Due • Do Dihybrid Cross Practice • Start Expert Genetic Problems	• Dihybrid Cross Rules	• Monohybrid Cross Problems