

Name(s): Palermo and Williams

Course: Honors Biology

Unit: Genetics

Period/Time:

Unit Topic: Immigration

Essential Question: How do fluctuations of a gene pool as a result of immigration/emigration effect species' populations?

Dates: April 6 & 7, 2009

Department: Science

Grade Level: 9th and 10th

	4/6/09	4/7/09
Objectives	1. Analyze number of similarities and differences in amino acid sequences between several related species. 2. Infer the more closely related, the more recent the molecular divergence.	1. Use this collected data to show how biochemical evidence can be used to interpret introduction of new genes to a gene pool and/or loss of genes from gene pools as a result of immigration/emigration.
Activities/ Procedures	1. Students will analyze various genes for various species.	1. Students will utilize the data collected to make determinations on genetic impacts of immigration/emigration.
Instructional Strategy	Experiential, indirect and cooperative learning	Experiential, indirect and cooperative learning
Technology	N/A	N/A
Materials	gene sequences	gene sequences
Homework	complete as needed	complete as needed
Assessment	lab, quiz, test	lab, quiz, test
NJCCS or Curriculum Standards	5.8.C.3; 5.9.D.1-2	5.8.C.3; 5.9.D.1-2