



Teacher: _____ M. Adrover _____

Subject _____ Biology _____

Grade: _____ AP Bio _____

Lesson Plan –Feb. 22nd—March 4th, 2016

Unit	Units IV: The Mechanism of Evolution
Lessons	Chapter 22: Descent with Modification – a Darwinian View of Life (Continued) Chapter 23: The Evolution of populations Chapter 24: The Origin of Species
Objectives	<ul style="list-style-type: none"> - Students will be able to describe descent with modification, via the mechanisms of Natural Selection - They will develop computer literacy and statistical analysis skills, via the use of Excel.
Materials	Infocus projector, Bio in Focus Textbook, AP Biology Sample Syllabus, yarn, paper bag, Excel (computer program), pencil, paper.
Activities	<ul style="list-style-type: none"> - Socialized discussion and reading of pages 365—380. - The Hypertextual Lounge will be used for these Chapter. Posts that describe Evolution and its modern applications. - An introduction to the Chapters of evolution, in which students will read two passages of <i>The Origin of Species</i> where Darwin talks about heredity. They'll compare and contrast Darwin's view of genetics with the modern one—which they discussed in the previous Chapter. - Lab II: Wooly Worms. This lab will account for the mechanics of evolution put to work in a population of worms. Data will be gathered in this field lab. Students will interpret this data using the statistical model known as Chi Square. This lab will account for the mechanics of evolution put to work in a population of worms (yarn of 12 different colors will be used to simulate the worms; paper bags will simulate the digestive system of the predator). Data will be gathered in this field lab. Students will interpret this data using the statistical model known as Chi Square.
Assessment	<ul style="list-style-type: none"> - The will also design Presentation using concept maps created via Word; it will account for chapters 22 & 23. - Report for Lab II: Wooly worms and Chi Square.

Special Note: This lesson plan may be subject to change depending on the group's educational needs, school activities, holidays, and/or suspension of classes due to emergencies and extreme weather conditions.