**AP Lab – Hardy Weinberg 2018**

*\*\*Download the Hardy Weinberg lab from the class webpage first.*

Prelab is to contain the following:

1. List the conditions for a Hardy-Weinberg Population.
2. Read the procedure steps starting from Exercise 8B: Case Studies.
3. Write a hypothesis for expected allele outcome for Case 1.
4. Rewrite the procedure steps in your own words for Case 1.
5. Write down the formula of how to determine the allele frequencies.
6. Go to the data page and copy the data chart for Case 1.
7. Rewrite the procedure steps in your own words for Case 2.
8. Write a hypothesis for expected allele outcome for Case 2.
9. Go to the data page and copy the data chart for Case 2.
10. Rewrite the procedure steps in your own words for Case 3.
11. Write a hypothesis for expected allele outcome for Case 3.
12. Go to the data page and copy the data chart for Case 3.

For final draft, you will have the following: TYPED

1. Title of lab
2. Purpose of the lab
3. Hypothesis for each case study
4. Data table for EACH case showing the initial and final class frequencies of genotypes and alleles.
5. Answers to ALL questions for each case.
6. Answers to the Hardy-Weinberg problems at the end.
7. Conclusion section referring to each hypothesis individually and supporting statements with data evidence.
8. Stamped prelab.