**Chi Square and Genetics**:

Required assignments

1. Bozeman video and worksheet: <http://www.bozemanscience.com/chi-squared-test>; [http://static1.squarespace.com/static/50d5cc57e4b0e383f5b1eb34/t/53ea5478e4b0b814c2292fcd/1407865976958/AP+Bio+Lab+Chi-Squared+Test+Worksheet-WL.pdf](http://static1.squarespace.com/static/50d5cc57e4b0e383f5b1eb34/t/53ea5478e4b0b814c2292fcd/1407865976958/AP%2BBio%2BLab%2BChi-Squared%2BTest%2BWorksheet-WL.pdf)
2. Activity (Pre-lab): <http://www.phschool.com/science/biology_place/labbench/lab7/critval.html>
3. Watch this (if needed) on Degrees of Freedom: <https://www.youtube.com/watch?v=wsvfasNpU2s>
4. [Chi square practice problems](file:///D%3A%5CAP%20Bio%202016-partial%5CUnit%204-%20Genetics%5CWorksheets-Activities%5CChi%20Square%20Practice%20Problems.doc) (I will either post the key or make hard copy upon completion).
5. Scientific Skills Exercise (New 11th edition book)- page 304. This may be assigned on masteringbiology.com, but if not, open the e-text, go to p. 304 & then answer the questions in your lab notebook.
6. [M & M Lab](file:///D%3A%5CAP%20Bio%202016-partial%5CUnit%204-%20Genetics%5CLabs%5CMM_lab_chi_square-2018.doc)
7. [Drosophila Lab Handout](file:///D%3A%5CAP%20Bio%202016-partial%5CUnit%204-%20Genetics%5CLabs%5Cvirtual_fly_lab%20USE.docx) (virtual lab on sciencecourseware). **AS OF FALL 2018**: The site is down, so the hyperlink won’t work. BUT I found a way to still get to it using [www.archive.org](http://www.archive.org). Copy & paste this in the search bar: http://www.sciencecourseware.org/vcise/drosophila/

Next, select ‘Site Map of sciencecourseware.org’ (on the same page). That will bring up a new page with a big green circle. Select 2018 and then put your cursor toward the top of the circle until you see this pop up: <http://sciencecourseware.org:80/vcise/drosophila/Drosophila.php?guestaccess=1>.

Click on that, enable Flash and you should be ready to go. 😊