**AP Biology Summer Assignment**

Welcome 2014-2015 AP Biology students. I am so excited for this coming year! We have a great opportunity to learn a lot about Biology and have a fun time while we do it. To get us started, however, we need to make sure that everyone has some basic vocabulary under their belt to make things run as smoothly as possible. If you have any questions, the best e-mail to reach me at is [mrohrbaugh@lanierhs.org](mailto:mrohrbaugh@lanierhs.org). Also, please check my website for updates and notices periodically this summer <http://classjump.com/r/rohrbaugh/?what=classes&class=133588>.

See you soon and enjoy your summer,

Dr. Rohrbaugh

1. The following is a list of basic vocabulary terms that you need to define and know by the beginning of next year. We will be testing on these terms when we return.
2. In addition, I would like you to choose one of the video links listed below to watch. While watching please pay attention to the following: 1) the purpose of the video, 2) what aspects of science are discussed and 3) what conclusions are given?

Vocabulary List:

Experimental Control Independent Variable Dependent Variable

Hypothesis Model Organism Amino Acid Protein

Monosacharide Disaccharaide Cabohydrate Nucleotide Nucleic Acid

Lipid Fatty Acid Phospholipid Hydrolysis Denaturation

Monomer Polymer Adaptation Artificial Selection Genotype

Phenotype Species Population Eukaryote Prokaryote

Isotonic Hypertonic Hypotonic

Video Links: (these links should work but if not you can find the titles on youtube and the transcripts from the videos are available to read from the video websites)

A Murder of Crows, <http://video.pbs.org/video/1621910826/> (from Nature)

Meet the Coywolf, <http://video.pbs.org/video/2365159966/> (from Nature)

Cracking Your Genetic Code, <http://www.pbs.org/wgbh/nova/body/cracking-your-genetic-code.html> (from Nova)

Where Did We Come From?, <http://www.pbs.org/wgbh/nova/evolution/where-did-we-come-from.html> (from Nova)