

# AP Biology Summer Homework

This summer assignment is designed to do a few things...

1. Allow me to get to know you since we will be spending a lot of time together next school year.
2. Prepare for your first test that will be during the first week of school.
3. Give you some hands-on lab experience and experience sketching your data.

## Assignment #1 due by July 1

Write me a letter of introduction and send it to the following email: [kforbis@lodiUSD.org](mailto:kforbis@lodiUSD.org)

Your letter needs to be professional, well-crafted and free of grammatical errors. You need to tell me about yourself. This is your first graded assignment so make a good impression! Please send it from your LodiUSD email account.

## Assignment #2 will be due the day of the first test.

Do research on types of plants. Refresh your memory from Pre-AP Biology on how photosynthesis works, and the different parts to a plant and how plants get water and nutrients to all parts. Also research what transpiration is and how it works and why plants do it. Keep your notes in outline form with diagrams. This should be handwritten on binder paper/drawing paper. This is in preparation for your first test. You can use the internet to do this research. You do not need to check out a book but if you would like to check out a book make sure you do so during finals week from the library. The book is Biology in Focus by Campbell.

## Assignment #3 will be due the first day of class.

Grow a plant, any plant you would like. Keep a journal about your plant starting with the seed and germination. Please document the progress of growth with hand drawn pictures. Label plant parts in your diagrams. You can make it like a baby book if you would like to. If your plant is in a pot and small enough, bring it to school on the first day. Make sure it is labeled with your name. You can drop it off in room Q4 before school if you would like.

If you have never grown a plant from seed before please do some research on what to do. There are many beans in grocery stores that can be grown. You may have some already in your kitchen but you are welcome to use a seed from a packet that you can get at nurseries and most hardware and grocery stores. Also, research the best way to germinate your seed so you can view the process and document it.