**Bio113 Week 1**

Before you come to lab:

1) Read “How to use a Pipetman” so you can be ready for lab.

<http://www.bio.davidson.edu/113/weekly_Labs/Micropipettor.pdf>

2) Answer each of these four questions in two sentences or less.

A) What is CATME Team Maker?

B) What safety issues should you know about in a lab?

C) What is synthetic biology?

D) What are the characteristics of a class or lab that maximizes student learning?

**Week 1 introduction**

Learning Objectives for First Week in Lab

*Skills*

* Locate safety equipment
* Accurately pipet a given volume (1 – 1000 µL)

*Cognitive*

* Summarize how to maximize learning in lab
* Recognize characteristics of synthetic biology
* Measure what you know coming into the class through TOSLS survey

In Lab:

1. Each lab group will come up with their top 4 activities that will maximize student learning in the lab.
2. Design a quantitative method to verify each team member can pipet accurately using the P20, P200 and P1000.
3. Prepare a list of traits that distinguish synthetic biology from genetics or molecular biology.
4. Take TOSLS survey in lab.
5. Submit CATME data