Methods of Engaging Students In the Lab Session 1
High school to University a Transition phase

High School
- Teachers teaching
- Being spoon fed

University
- Giving students the responsibility to learn on their own
- Need to teach them what the expectations are
- Teaching them to become independent learners
Encouraging Learning

- Posing questions
- Making it a pre-lab discussion instead of a pre-lab lecture
- Making sure students know the resources available & communicate that it is up to them to access the information
- Teaching in steps, working on key points
  - Quality vs. quantity
    - Dumping too much information at once can encourages the “cram and dump” attitude
Everyone must be engaged:

- Goes both ways
- Need to see the importance of the lab, if no importance why get engaged?
  - Lab must compliment Lecture and vice versa
- Relating the lab to the real world
Connecting things to the "Student World"

- Videos on site specific lab/techniques/skills/set-up
  - Video better than a black and white picture in a lab manual
- Making videos accessible for viewing on smart phones
- Tutorials to introduce glassware assembly