

*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 encourage 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

