Assessment of Student Learning
2016-17 Action Plan

Faculty Name: David Olson

Other Faculty Collaborators (if any): No

Course/Program/Dept Name: Math 1020

This action plan is for a:

Course	Program/Dept.
✓	

Area of student learning seeking to improve:

I would like to improve the ability to Graph all types of Equations and Functions

Baseline data/information using to measure improvement:

I will give a pretest the first day of the Graphing Chapter. Then I will give a Post test at the end of the Chapter. I will also include Graphing questions on all quizzes and tests after I have taught the material.

Data Upload (optional):

Strategy for improvement:

I will Use T-Notes to try to get the students to Explain out they are attaining the points they are graphing. Many of the students don't realize how to get points to graph. If they have to write out in words what they are doing, maybe it will sink in better. I will also put students at the board to do problems, so I can see what they are actually doing.

RESULTS

Analysis of the effectiveness of the strategy:

My class averaged 65% on the Pretest. After using my new teaching strategies, the students averaged a 85% on the Post-Test. As the semester went on, they did better and better on the graphing questions. I would include at least one question on each quiz and test. The class averaged 90% on these questions at the end of the semester.

Data Upload (optional):

Next Steps:

I will continue to use T-Notes when I teach this topic in my future classes.

Peer Consultation (optional):

Yes, many of us have students who struggle with this concept. They like my approach but also gave me ideas to try also. The main thing I took from these conversations was that I need to really slow the process down when I teach this topic. Students need to really grasp the idea of where the ordered pairs are coming from, and then how to represent them on the graph paper.