State Standard:
6.3.7 Identify and graph ordered pairs in the four quadrants of the coordinate plane.

Performance Objective:
Given a coordinate plane, the students will graph the ordered pairs correctly with 75% accuracy.

Advanced Preparation by Teacher:
Make laminated coordinate planes
Bring dry erase markers
Make a coordinate plane on the floor
Draw a coordinate plane on the board

Assessment:
As the students are graphing on the laminated paper, and when they are graphing on the floor observe and check if they are doing it correctly. I will look at four of each of the students, one laminated plot and three floor plots. If they do it correctly they will get a check by their name each time. If they do it incorrectly they will get an x each time. That will then translate into the total number.

Introduction:
Have you ever played the game battleship? In this game you are listing ordered pairs to find each others ships to destroy them. You tell the person a number and a letter to show where you are bombing them and they tell you if that point hits a ship of misses. Those letters and numbers are actually ordered pairs. We are going to learn the basics of graphing ordered pairs today.

Procedure:
1. Draw the x and y axis on the board. (MI: Visual Spatial)
2. Write (x, y) and an ordered pair (2, 4). Explain that these are ordered pairs. They tell you where to put the do on the plane. “When we graph ordered pairs we don’t graph and letter and a number. We graph two numbers”
3. Discuss the relationship between the x and the x axis and the relationship between the y and the y axis. The x tells you how far to travel in the x axis and the y tells you how far up or down you are going. (MI: Linguistic) Which way are we going if the first number is positive? Answer: Right (Knowledge) Which way will we go if the second number is negative? Answer: down (Knowledge)
4. Then show how to find the ordered pair (2, 4) on the graph. (MI: Visual Spatial)
5. Do (1, 5) on the board.
6. Hand out the laminated coordinate planes.
7. Do (3, 6), (-1, 2), (4,-4) together. How would you show the ordered pair (4, -4)? (Application)
8. Then have the students move to the floor coordinate plane. (MI: Bodily-Kinesthetic)
9. Show them one example of finding the ordered pairs on the floor coordinate plane.
10. Give each a different ordered pair to find on the floor and have them stand on the pair.
11. Have each student do two or three pairs.
12. “Can you give and check each others ordered pairs?” Then let the student give each other ordered pairs. With you watching have one student give another a pair then have the third student check him. (Analysis and Evaluation)
13. Then have the students go back to their desks.

Closure:
What is an ordered pair? (Knowledge) Okay what does the x tell you? (Comprehension) What does the y tell you? Okay now next time you are playing battleship you can shock the person you are playing with your intelligence by saying, “It’s your turn to pick and ordered pair.”

Adaptations/Enrichments:
This was taught to three students that are pulled out for math. This lesson was taught with more hands on activities. They would not have been able to do the floor graph in a general classroom because of amount of space and number of students.

Self-Reflection: