



Stephen's Capstone

Math Mentoring/Tutoring

Why I chose this

I chose tutoring Algebra 1 for a couple of reasons but my main reason was to help other enjoy math as much as I do. A lot of students don't particularly care for math and a common reason is because they don't feel confident in the subject. Being an SAT for Mrs. Giorgio, I saw firsthand which students were confident in their skills and which students were more quiet and just copied down what was on the board without asking clarifying questions. I then chose two students who I saw had a lot of potential, but needed some extra help outside of the classroom. With access to their grades, I could also see that they could do better.

Destiny



Matthew



Topics of Great Focus

Standard 36: Calculate slope given two points or a graph.

Standard 37: Find the equation of a line when given slope and y-intercept.

Standard 42: Solve a system of equations using the method of graphing.

Standard 43: Solve a system of equations using the method of substitution.

Standard 44: Solve a system of equations using the method of elimination.

Standard 50: Graph an inequality with one variable

Standard 51: Graph an inequality with two variables

Standard 52: Solve a system of inequalities

Academic Results

Both students held a “B” for most of the quarter, but have recently slipped down to a high “C” due to a recent standards quiz. Both students told me that they planned to retake standards again before the year is over. The two students also still have not received their benchmark for the fourth quarter. My goal was to raise their grades by one letter grade but was unsuccessful. Neither student’s grades changed as drastically as I wanted them to.

How the Students Benefitted

After a couple of tutoring sessions, I noticed a change in the students' behavior in class. Both students became more involved in the class, asking more questions, and doing better on their standard retakes when they actually did so. They definitely improved in Algebra 1, received a confidence boost in the classroom, and I believe that both students learned to use the resources that SLA provides such as math lab. Which will be extremely important as they progress to higher math levels.

How I Benefitted

Student teaching their class during school, and tutoring the students after school definitely helped me become more personable and a better teacher. Without any teaching background and just Mrs. Garvey as a reference, I chose to tutor the students the best way I knew how, with visual representations and practice problems. In the beginning of the year, I noticed that not a lot of the students in Mrs. Giorgio's classroom approached me for help, but by the end of the year, no one is afraid to ask for my help anymore.

Thanks



I would like to give thanks to Mrs. Giorgio for helping me come up with some ideas, lesson plans, and which standards to go over.

I would also like to thank Matt and Destiny helping me with my capstone and for putting in the man-hours after school to do even more math when the rest of their friends were having fun outside of school. It meant a lot to help you two grow as young mathematicians and I wish you best of luck in geometry!