

Philosophy of Mathematics

Teaching & Learning

1

Role of the Teacher



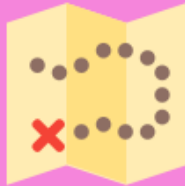
As a teacher, I will be the support crew and base control for the explorers in the classroom. I will model both academic and behavioral expectations as we learn. In support of my safe environment, students are able to openly discuss their ideas, problems, and question of math concepts with the encouragement for self-reflection.

2

Role of the Student

The students in the math classroom are the explorers and navigators of their education by self-inquiry and self-motivation. Students will be modeled and expected to show a positive attitude and develop flexible thinking. As a class, the students will work collaboratively to be both active learners and teachers.

3



Curriculum and Resources

The individuality of each student will be shown through the multitude of resources available for students both as a tool and a way to demonstrate understanding. The curriculum standards will be a guide for learning that is shown transparently with students to show validity to our lessons.

4



Method of Instruction & Assessment

Instruction will be engaging and motivated by the desire for students to be able to answer the question "why" in conjunction to their answers and new math concepts. Throughout instruction both reading and writing standards will also be incorporated to support a holistic approach to education. The assessment will be comprehension based. Each student will be re-taught concepts in order to achieve long term math acquisition.

5

Environment



My classroom will be a safe learning environment where students practice respect and encouragement. They will develop self confidence in their individual learning style and work to communicate that openly with classmates. This will serve a dual purpose of both deepening their learning and to help them become advocates for their education.