In this action research study of my classroom of 7th grade mathematics, I investigated uses of technology in my classroom essential in teaching and learning middle school mathematics. I explored how to enhance student involvement in learning and the uses of problem solving activities to build new mathematical knowledge, apply knowledge, and adapt a variety of appropriate problem solving strategies to daily life and AYP and STARS standards. I discovered that about 80% of the students reported that they liked having technology used in their math classroom and they feel more confident when problem solving in math with the use of technology. I found that the percent of students mastering each standard had increased an average of 20% over the previous year. The percent of students that said they liked math and felt good about themselves when they solved a math problem went up. As a result of this research, I plan to create a classroom that investigates and discusses how to solve problems in a collaborative environment using technology to support students’ growth and share that knowledge with teachers in my district.