

STEM Unit 1

My STEM experience so far has been exactly what I thought it would be, extensive, tedious, and rigorous but a great learning experience. All of the subjects and curriculums are tied together in a great fashion I find myself using knowledge that I learned in math in my engineering and science class quite often. I have also been introduced to a whole new program named solid works that is amazing it seems that you can make anything that you want to in it as long as you put your mind to it. Physical Science is also quite fascinating with learning about the atom and the elements of the world. STEM is different from any other curriculum I have ever been involved with I feel that we are reaching our full potential in it.

Math, currently my favorite subject of STEM, is probably the hardest class of all that I have but luckily we have a great teacher to teach us the concepts. We have learned spheres, circles, and are currently working on new formulas. I fully understand the spheres and formulas but when it comes to circles I still have some work to do for I do not fully understand the concepts of the circle but I will be soon attending the tutoring session that our stem academy offers us in Math 2. While math might be the hardest of all the subjects it still is the one that I enjoy the most and I'm having a great experience in it so far.

Currently the Stem academy is offering physical science being taught by Ms. Dobbs who is an excellent teacher. We have many concepts such as atoms, subatomic particles, the scientist who proposed the theories and etc. We just recently finished a project on where we were assigned at atom and had to make a visual model of it. I loved this project because it fully tied in everything we have been learning about the atom this year having to make the nucleus, the electrons and the electron levels. The stem academy physical science does a great job of integrating all the things we learn in class into our activities and our projects.

The new program that I have been introduced this year to is Solid Works in my engineering class. In this software you can create a 3d model of anything that you can put your mind to. This is why I love this software so much because if you can imagine it and you know that correct way to draw it on the computer you can physically make it by using the 3d printer that is connected with Solid Works. We also just recently made a model of the atom that we were assigned in science in solid works which is another example of how we use something we learned in another class in engineering. However despite all these great things that is one catch to Solid Works it is an extremely complexed system and if you don't have a great teacher you will not be able to use it to its full ability but luckily our teacher and taught us plenty and has us going in the right direction. Learning and mastering Solid Works is my first big step in becoming the engineer that I want to be.

The STEM academy is great we get everything out of each class and are often being pushed to our full potential. All of our classes our integrated and whatever we learn in one class we will use that knowledge in another. All of our teachers push us and never let us settle for anything less then what we are fully capable of achieving.