The Importance of STEM Skills

You might be thinking that science, technology, engineering, and math (STEM) skills aren’t important because you’re not interested in becoming an engineer or a computer programmer (though those jobs ARE in demand). What you need to keep in mind is that almost all jobs will require some STEM-related skills. An easy way to get a jump start on those skills is to take courses in middle and high school that prepare you to succeed in college and beyond.

Here are some of the courses that will give you a good foundation for STEM skills. In Texas, most of these are required courses. Why do you think that is the case?

The page that is attached lists STEM Skills that are in demand. Use it as a reference to help you decide which courses you plan to take.

OWN IT!

As you research your college options, there are many things to keep in mind. Use this page to think about your priorities for your college experience.

I can see how ______________________________, ______________________________, and ______________________________ classes will help me in college where I want to study ______________________________.

TEN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH (STEM) SKILLS

1. Maintain accuracy in record-keeping and communicate findings.
2. Research topics and determine good, reliable sources of information.
3. Analyze small parts of systems and see relationships; notice details in content and process.
4. Recognize cause and effect relationships and distinguish fact and opinion.
5. Use mathematical skills for calculations and measurements.
6. Predict and draw conclusions using data.
7. Read and understand technical materials.
8. Repair equipment and use software.
9. Communicate with others and listen.
10. Think creatively and solve problems and experiment.