



Tips for Involved Parents from Gwinnett County Public Schools

Be There is a national movement that inspires parents to become more involved in their children's education. Teachable moments are everywhere. Be your child's favorite teacher. Connect in meaningful ways and your simple actions will reap immense rewards at home, play, and school!

Science, math skills are key in many careers

Today's science and math students are our nation's answer to the growing demand for highly skilled mathematicians and scientists. Student's graduating from high school in the next few years will be expected to have mastered some of the most critical science and math concepts and be prepared to apply them in a job, at a technical school, or at a college or university.

Most people immediately recognize that students who pursue careers in healthcare fields and math and science education will use math and science daily. However, many more careers use knowledge and skills from mathematics and the sciences.

If your student is thinking ahead to the field of study or the career he or she will pursue after high school, maybe some of these math and science careers will spark an interest:



Engineering

Did your student spend hours with building sets as a child? Perhaps designing roller coasters or cars or playground sets or tiny, life-saving devices would be a career goal for your student. All of these exciting products are the result of engineers who have specialized training and are using their math and science skills every day.

Marketing and Advertising

The fields of marketing and advertising require employees to understand how math and science are used to design, develop, and produce their products.

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Chemistry

Maybe your student has an interest in exploring make-up products, or creams and lotions, all of which are created by chemists who work for skin care companies. Our food products are all designed or inspected by highly skilled chemists. Chemists and other scientists monitor the quality of our environment and our water and natural resources.

Athletics

Professional athletes depend on the expertise of athletic trainers who are able to care for the athlete's body when it is injured. Professionals in the field of kinesiology provide the proper training for athletes to prevent injuries.

So, if you hear your son or daughter say, "When will I ever use this?" suggest an exploration of some fascinating jobs that will incorporate K-12 math and science skills and put that knowledge and experience to good use. The fields of math and science may seem demanding at times, but the opportunities for those who work hard in these subjects are infinite. *Check out the online resources in the box below for more on careers that use math and science. School counselors, advisors, and math and science teachers can answer questions about what classes to take in high school to prepare for careers like these.*



Online Resources

- **Engineering, Science, and Math Careers**— Job descriptions in these fields, including information on daily activities, skill requirements, salary, and training required.
<http://www.khake.com/page53.html>
- **Math Resources for Career and Technical Education**— Learn more about how math is used in specific technical careers.
<http://www.khake.com/page56.html>
- **A Guide to Online Resources for High School Math Students**— Resources from the American Mathematical Society for high school students, including information on summer programs.
[http://www.gwinnett.k12.ga.us/gcps-mainweb01.nsf/324EF17E101CD76985257418005B6977/\\$file/AMS_math_careers_brochure.pdf](http://www.gwinnett.k12.ga.us/gcps-mainweb01.nsf/324EF17E101CD76985257418005B6977/$file/AMS_math_careers_brochure.pdf)
- **What do Mathematicians Do?**— Resources from the American Mathematical Society.
<http://www.ams.org/employment/whatmathematiciansdo.html>



Together, we will be there for our students—
Gwinnett County Public Schools and YOU!

Make the ordinary extraordinary!

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