



## ***What is STEAM?***

The Brookwood Cluster Schools have embarked on an exciting STEAM education initiative that promotes integrated instruction in Science, Technology, Engineering, Arts and Mathematics. Although the implementation of the STEAM initiative may vary depending on the specific school, our cluster's common vision promotes a cohesive goal. The Brookwood Cluster STEAM Program is dedicated to creating a learning environment that is authentic, rigorous, problem-based and cross-curricular. Additionally, the STEAM Program provides K-12 opportunities for application, exploration and innovation in order to prepare well-rounded students for an ever-changing technological world.

## ***How does STEAM look?***

Throughout the school day, STEAM students engage in problem-based instruction, special projects and multi-disciplinary study focused on STEAM and integrated with other subjects. The program provides students with rigorous instruction measured through authentic, performance-based assessments. It also offers opportunities at all grade levels for participation in STEAM clubs and competitions such as Science Olympiad, Witzzle Pro, Science Fair, Robotics, Hour of Code and Math Olympiad. Through increased business and community partnerships, our hope is to provide our students with a glimpse of STEAM careers through real-world, project-based learning, speakers, field trips and other activities during and after school hours.

## ***Seeking Business Partners***

The Brookwood Cluster Schools strive to work closely with community businesses and individuals as STEAM Educational Partners. There are many ways to get involved as a Brookwood Cluster STEAM partner:

- ⇒ Speak at one or more of our schools to help students learn about STEAM education and careers.
- ⇒ Assist in creating challenges for our students to solve authentic, real-world problems through problem-based and project-based learning applications.
- ⇒ Help judge STEAM projects and creations.
- ⇒ Allow groups of students to visit your business and experience STEAM in the workplace.
- ⇒ Provide funding to allow students to engage in STEAM instruction on campus, in clubs and extracurricular activities, in STEAM immersion experiences and on field trips.
- ⇒ Serve as a mentor or supervisor to an 11<sup>th</sup> or 12<sup>th</sup> grade STEAM student who is completing a research project, internship or externship, or by hosting an intern during a Field Study experience.
- ⇒ Create other opportunities as you see fit!

## ***Join our STEAM Initiative!***

Would you like more information about the Brookwood Cluster STEAM Program and how to become a STEAM Educational Partner? If you have questions, please contact Kim Hamman at (770)736-3150 or [kim\\_hamman@gwinnett.k12.ga.us](mailto:kim_hamman@gwinnett.k12.ga.us). Thank you for your support!