



## GCSC STEM Bike Camp Engaging Students in a Summer Camp Experience

**STEM Bike Camp** is a companion program that builds on and extends the experience of the STEM Bike Club. In the STEM Bike Club students build a bike while learning about the underlying science of how a bike works. In the STEM Bike Camp, students actually use these bikes in experiments where they explore the physics of motion and inertia. The experiments include planned activities to spark curiosity and learning. Each student also designs an individual experiment to explore a topic they select based on their interests. This teaches them the experimental design process and basics of scientific investigation. These proud, budding scientists grow their confidence in science and math as they use them in a relevant experiment of their choosing.



**“Can we be a part of this next year?”**

**“I really liked getting to design our own experiments!”**

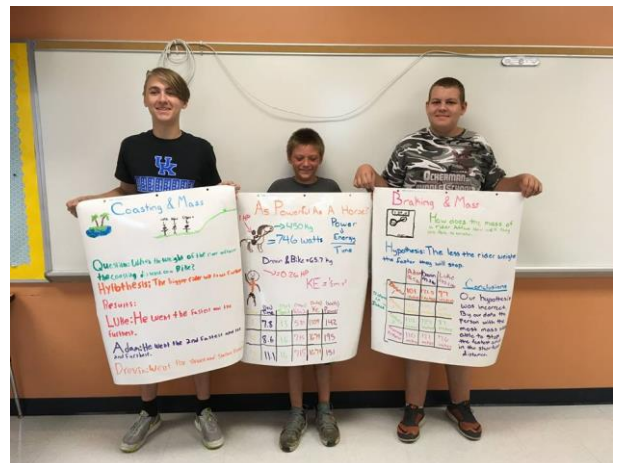
Rising 9<sup>th</sup> graders who can't wait for the next STEM Bike Camp

The **GCSC STEM Bicycle Camp** completed a successful pilot with students from 3 schools joining together for a week of Bike Camp. The first four days are filled with 4 hours of programming and the last day entails a capstone bike ride to celebrate their work and accomplishments. While the pilot was a camp format, it could easily be adapted for after school. The program is ideal for rising 9<sup>th</sup> and 10<sup>th</sup> graders and is very cost effective. We know children learn best when they are actively engaged in relevant, interesting subjects and we know the joy they experience with their bikes. What could be better than the both together?

**“The STEM Bike Camp enhanced student learning by reinforcing & introducing 7th & 8th grade Science & Math concepts through an interactive setting!”**

**“A great way to extend what students learn in STEM Bike Club & give them space to engage in scientific thinking & inquiry.”**

Bike Camp Mentors



The **GCSC** is seeking funding and mentors for the **STEM Bike Camp**. If you are interested in volunteering or donating to sponsor a student, contact the GCSC at [GCSTEM@gmail.com](mailto:GCSTEM@gmail.com) Find out more about the GCSC at <http://www.greatercincystem.org/>