WHAT HAPPENED

- The STEM Bicycle Club ran for the 6th year in 2018-2019 and served a record number of students. 350 students, primarily middle school-aged, reverse engineered a bike they got to keep in 21 “after school, at school” clubs. Another 60 students experienced the club as part of Summer of STEM 2019 camps.

- Volunteer mentor/coaches again came from a wide variety of STEM-dependent business and STEM-supportive organizations from across the Greater Cincinnati community. Several clubs were “all girls” clubs and supported by “all women” volunteers.

- More than 320 students and family members attended the 6th Annual STEM Bicycle Club Celebration at UC in May 2019, at which the first two recipients of the Marvin Masterson Award (in honor of GCSC’s first-ever club volunteer) were announced.

- Ockerman Middle School students in Boone County, KY again used the skills they gained in the club to fix damaged bikes (donated by their local Walmart) and then gift them to other students. The club has fixed 200 bikes over time! Read their story here.

I went from knowing almost nothing about bicycles to knowing how to put one together, how to adjust it, care for it, and more.

- STEM Bicycle Club Student

PERCENTAGE OF STUDENTS WHO AGREED TO STRONGLY AGREE THAT THEY:

- 97% students learned about making things
- 86% students are more interested in STEM
- 83% students improved their problem solving skills
- 80% students are more confident in their abilities

STEM BICYCLE CLUB STEM HIGHLIGHTS*

- 1,800 Students & Teachers
- $470,000 Generous Contributions from local businesses and foundations
- 11,300 Specialty Bike Tools
- 26 STEM Bicycle Clubs across Greater Cincinnati (current year)
- 12,700 Volunteer Hours from businesses, universities, schools, and city council staff

* 2013-2019 CUMULATIVE
STEM BICYCLE CLUB DEMOGRAPHICS

37% GIRL STUDENTS
37% AFRICAN AMERICAN STUDENTS
10% HISPANIC / LATINO STUDENTS

GCSC prioritizes service to low-income students, students of color and girls since they are all under-represented in STEM. Approximately 75% of students in GCSC programs are low-income but this information is not captured at the individual student level.

Students became more confident in themselves to solve problems and ask questions.

- STEM Bicycle Club Leader

Whenever students can be ‘hands-on’, they learn.
- STEM Bicycle Club Leader

WHAT HAPPENS NEXT?

➢ GCSC is prioritizing 2019-2020 club applications and will announce club hosts in mid-October.

➢ Club leaders will be trained a day-long “professional development” session at UC on December 11.

➢ GCSC is seeking funds and volunteers to support as many clubs in 2019-2020 as possible! If you or your organization are interested to get involved, please contact: gcscstemmed@gmail.com.

PERCENTAGE OF CLUB LEADERS (TEACHERS) WHO AGREED TO STRONGLY AGREE THAT THE CLUB:

100% LEADERS
92% LEADERS
83% LEADERS

TEACHES STUDENTS’ ABOUT MAKING INCREASES STUDENT CONFIDENCE INCREASES STUDENT INTEREST IN STEM

CLUB TEACHERS WANT TO LEAD THE CLUB AGAIN!

4.8 on a 5 point Likert Scale

I could never do anything like this before, but now I know that I can.

- STEM Bicycle Club Student

STEM BICYCLE CLUB SUPPORTERS

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