2019-2020 Opportunities
GCSC provides educators with a variety of resources and opportunities to help bring STEM opportunities to students. Let us know if you are interested in learning more about, and being added to “interested lists” for the following opportunities, by emailing us at gcscstemmed@gmail.com!

Family STEM Cards
Resource created to encourage families to engage around STEM in their homes. This deck of cards contains various STEM activities for a variety of age groups and can also be used by teachers in school. None of the activities require special equipment; most can be done using materials often found at home.

IGNITE MyFuture Computational Thinking Day of Discovery
Learn, connect and share with educators and thought-leaders in your community during a free day of immersive professional learning to dive into the world of computational thinking presented by Discovery Education and Tata Consultancy Services (TCS). Through an immersive, hands-on agenda, you will learn ways to seamlessly connect computational thinking strategies to standards across a variety of subject areas. Next scheduled session will be hosted at the University of Cincinnati on February 12, 2020. Flyer with registration link is here.

West Point STEM Mobile Workshop
Program for 7th and 8th grade students to participate in hands-on STEM circuitry and coding. Made possible through partnership with the West Point Society of Greater Cincinnati and University of Cincinnati’s College of Engineering and Applied Science. The next workshop will run on March 19, 2020. More information about the workshop is online here.

greenlight for girls day Cincinnati
A day of STEM inspiration hosted at the University of Cincinnati for middle school-aged girls that includes hands-on workshops and “look like me” volunteers and role models. Increases girls’ interest in STEM careers and their confidence to pursue STEM learning. The 4th annual g4g day Cincinnati will be held at the University of Cincinnati (UC) on May 4th. Read about g4g Day Cincy 2019’s day here.

Summer of STEM Camps
GCSC provides partners with “camps-in-a-box” that contain curriculum, materials, and professional development to engage students in hands-on, project-based learning with a specific STEM focus during the summer. Concludes with the End of Summer / Back to School STEM Festival. The applications for Summer of STEM 2020 camps will be accepted until March 9, 2020. The application packet is online here.
2020-2021 Opportunities
Let us know if you are interested in staying up to date with these opportunities and joining an “interest list” for them by emailing us at gcscstemmed@gmail.com!

**STEM Bicycle Club**
Students reverse engineer bicycles by looking at and adjusting one specific bicycle sub-system a week while strengthening critical thinking, problem solving and perseverance skills. In 2018-2019 350 students were served in 21 “after school, at school” clubs. Visit the [STEM Bicycle Club homepage](#) to learn more about it.

**3d Printers Club**
Over the course of 10 weeks, usually in an at-school, after-school setting, students work through their specific curricula to strengthen problem solving and design skills, learn CAD (computer aided design) software, and 3D printing basics. In 2018-2019 800 students were served in 49 clubs. Visit the [3d Printers Club homepage](#) for more information.

**Ohio STEM/STEAM Lab Teachers Professional Learning Community**
The PLC includes 25 teachers from six southwest Ohio school districts. The program is designed by Northern Kentucky University’s Center for Integrative Natural Science and Mathematics (CINSAM), to advance teachers’ skills, experience, and confidence leading engaged student learning. Teachers observe “master teachers” deliver a STEM/STEAM lesson in an innovative, in-classroom “fishbowl” format that is followed by reflection of best practices seen in the lesson. Read about the 2018-2019 PLC [here](#).

**STEM Gardeners**
Working as either a classroom curriculum or after school club, this program helps students in 4th-6th grades learn how to create sustainable gardens. Focuses on the math, making, science, and engineering that goes into gardening. There is an opportunity to join this year’s multi-school cohort of based on interest; contact GCSC at gcscstemmed@gmail.com for more information.

**Collaborators**
GCSC collaborators include a wide variety of partners across the three-state, Greater Cincinnati region. Formal K-12 educators, informal educators from local museums and science programs and STEM-focused non-profits, and for-profit business / industry partners. These members are the energy behind making Greater Cincinnati region a leader in STEM education. Some GCSC partners are:

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<thead>
<tr>
<th>Education</th>
<th>Business</th>
<th>Community Partners</th>
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<tbody>
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<td>Cincinnati Public Schools</td>
<td>P&amp;G</td>
<td>Partners for a Competitive Workforce</td>
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<tr>
<td>Boone County Schools</td>
<td>Duke Energy</td>
<td>Cincinnati Museum Center</td>
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<td>Hamilton County Education Services Center</td>
<td>GE</td>
<td>Public Library of Cincinnati and Hamilton County</td>
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<td>University of Cincinnati</td>
<td>Polar 3D</td>
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<td>Northern Kentucky University</td>
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**Contact and Connect with GCSC!**

**Website:** [www.greatercincystem.org](http://www.greatercincystem.org)  
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**Twitter:** @GCSCSTEM  
**Facebook:** @greatercincinnatistemcollaborative  
**Instagram:** @greatercincystem