

## 2020 Girls – STEM Clubs for Girls in the Lansing Area

### 2020 Girls by the Numbers, 2015-16

#### Locations

**5**

- Mt. Hope Elementary
- Lansing STEM Academy
- Eastern High School  
(7<sup>th</sup> and 8<sup>th</sup> grade only)
- Wexford Montessori Academy
- Foster Community Center

#### Students Served

**136**

- 23 students at Mt. Hope
- 27 students at Lansing STEM
- 12 students at Eastern
- 35 students at Wexford
- 39 students at Foster  
Community Center

#### Lasting Impact

**75**

- 75 young ladies want to pursue  
a STEM career after taking  
2020 Girls

#### About ITEC

A Lansing-based non-profit organization, the Information Technology Empowerment Center works with students and families in Michigan to build excitement for coursework and careers in science, technology, engineering and math.

### Program Summary

2020 Girls is an afterschool science, technology, engineering, and math (STEM) club offered to students from grades 4-8 at locations in the Lansing School District and the Foster Community Center. Girls participate in collaborative projects involving Lego Robotics (using the Lego Mindstorms software), mobile application design, and animation



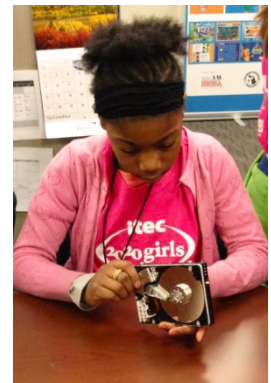
programming (using Scratch) with the ultimate goal of providing engagement in STEM content and careers.

Classrooms are designed to be encouraging to girls, with female instructors

leading lessons, field trips, and female STEM mentors. Students in Lansing School District locations meet twice a week for one and a half hours, with the clubs running the duration of the school year.

### Program History

Developed with the support of the Women's Leadership Council of the Capital Area United Way, 2020 Girls was designed to bridge the gender gap in STEM disciplines. In the spring of 2014, ITEC and MCWT introduced the 2020 Girls program in the form of after-school clubs at Eastern High School, Mt. Hope Elementary School, and Pleasant View Middle School. In summer 2014 ITEC offered week-long 2020 Girls camps at the Foster Community Center with support from 100 Women Who Care. In addition to the pilot schools, 2020 Girls expanded to Lansing STEM Academy and Wexford Montessori Academy in the 2014-15 school year. For the 2015-2016 school year, this program took place at five locations.



*“I wanted to say thank you for offering this to the girls. My daughter was so excited to take this class and she had a great time and learned so much. It was a wonderful opportunity and we were very grateful that it was offered to the group.”*

*Please pass on our thanks to everyone involved in the program. Those girls were filled with excitement and confidence in the world of science, robots, and computers, and that was wonderful to see! You should all be proud of a successful year!”*

Katherine VanZwoll

Mother of Jordan, a participant in 2020 Girls at Mt. Hope Elementary

For more information contact Shannon Fransen Education Director, at 517-708-4392 or email [shannon@iteclansing.org](mailto:shannon@iteclansing.org)

## Program Results

### Student Attitudes

In surveys collected from fall 2015 participants at all 2020 Girls locations, students responded positively to the curriculum, reporting confidence gains in their ability to pursue a STEM career, and increased interest in math and science following the completion of the club/camp.

