Cobb GEMS:
Girls in Engineering,
Math, and Science
Summer 2014

Final Report
Program Overview

This summer, about 40 young women participated in the Cobb GEMS: Girls in Engineering, Math, and Science program. Designed to introduce girls to STEM careers and programming concepts, the nine-week program began on June 2 and featured presentations from faculty members at Emory University, the Georgia Institute of Technology, and Southern Polytechnic State University.

Sponsorship for the program was generously provided by the Cobb Library Foundation.

As a woman in technology, I have become increasingly aware of the lack of diversity in the field; as a librarian, I knew that the library was in a unique position to address the problem. By creating a program that gave young women in Cobb County the opportunity to meet successful women in technology, to learn about possible STEM careers, and to discover free tech-related library resources, the library has had a direct impact on leveling the tech playing field. I’m proud of the GEMS’ work this summer and I’m thrilled that we were able to offer this program.

I’m so appreciative to the library system for giving me the freedom to plan and execute this program and to the Cobb Library Foundation for their unwavering financial support.

Thank you!

Julia Huprich
Head of Digital Services & Communications
Cobb County Public Library System
Program Schedule

June 3: Kickoff
June 10: 3-D Printing & Open Source Computing
June 17: Game Design
June 24: Coding
July 1: Robotics
July 8: Machines, Magnets, & Movies
July 15: Web Development
July 22: Career Day
July 29: Program Wrap-Up

"I wanted to thank you again for establishing the GEMS program to expose my daughter to more STEM-related activities and careers. She is truly excited about being able to pursue a career in this field and I’m grateful for the additional resources given to her. Thanks again.

Cobb GEMS Parent"

What topics did GEMS participants enjoy learning about?

![Chart showing popularity of topics]
I liked the fact that it's not always men that are into science and have careers in tech. It was cool to see women in the industry. It also made me feel good to get out and do something productive, instead of sitting around the house all day. :) I'm just excited that science isn't as BORING as I made it out to be. :)

Cobb GEMS Participant
Budget Report

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-shirts for program participants</td>
<td>$556.60</td>
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<tr>
<td>Refreshments</td>
<td>$185.90</td>
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<tr>
<td>Supplies</td>
<td>$777.43</td>
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<tr>
<td>Printing</td>
<td>$29.16</td>
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</tbody>
</table>

Total $1549.09

Original amount requested: $1600

“Thank you so much Cobb Library Foundation for allowing us to have this learning experience. I’ve gotten to learn so much about science and technology these past weeks. Thank you!!”

Cobb GEMS Participant

“This is an excellent program to expose girls to the tech field and all the possibilities for women in technology. Continue to expose girls to this dynamic field.”

Cobb GEMS Parent
**Program Results**

When asked, “Has your daughter **benefited** from this program?”

- **100%** of parents answered **yes**

When asked, “Are you **more likely** to choose a STEM career after this program?”

- **70%** of participants answered **yes**
- **30%** were **not sure**
By the Numbers

37 Registered participants
175 Total Attendance
9 Workshops & Programs

100% of participants said that they enjoyed the program

Age of Participants

School Attendance

This has been a wonderful program. Julia is a super nice person and very encouraging to all of the girls. My daughter learned so much! She is looking forward to coming back next year.

Cobb GEMS Parent

Cobb GEMS: Girls in Engineering, Math and Science Final Report Summer 2014
Thank you for hosting GEMS. It allowed me to experience some of the career options that are available to girls like me who love math and science.

Cobb GEMS Participant