

GIRLS IN ENGINEERING ACADEMY

The Engineering Society of Detroit (ESD) created the ESD Girls in Engineering Academy (GEA) to improve academic achievement and increase the interest in engineering among girls. ESD's overarching goal is to decrease the gender gap in engineering professions by helping girls to excel at science, technology, engineering, and mathematics (STEM) and eventually pursue engineering careers.

ESD will select 30 middle school girls to participate in an in-person and/or remote learning summer and academic year program. The summer experience will engage students over a four-week period, Monday-Friday. The program will provide math and science enrichment, engineering and computer science concepts, English/language arts comprehension, hands-on project-based STEM activities, mentoring, field trips to industry, and engineering career exploration.

The GEA program will continue during the academic year. GEA students will meet two Saturdays per month, October-May. Students will continue to learn about various engineering disciplines and careers. Students will also focus on STEM activities to reinforce concepts learned over the summer and during the school year.

GEA

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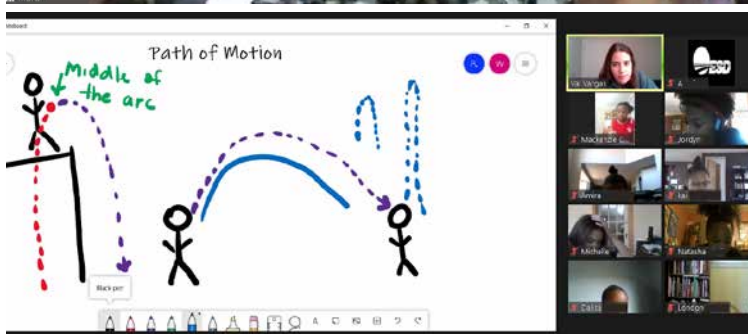
Girls in Engineering Academy 2021-22



THE ENGINEERING SOCIETY OF DETROIT®
FOUNDED IN 1895

GEA FEATURES:

- Education about what engineers do
- Instructors who are female engineering students
- Workshops in engineering, mathematics, computer science and communication skills
- Hands-on experiences designing engineering projects
- Field trips to Engineering Facilities and other STEM-related places



WHO'S ELIGIBLE?

Current 5th grade female students who have an overall GPA of 2.5 or better and a minimum B average in math and science.

WHAT IS THE COST?

The annual cost is \$200 per student.

HOW TO APPLY?

Applications are online at esd.org/gea. Applications will be accepted from January 4, 2021—May 31, 2021.

WHEN WILL APPLICANTS BE NOTIFIED?

We will notify applicants of their acceptance or wait-list status after May 3, 2021. We will not be able to respond to status requests before this date. Please provide a frequently checked email or cell phone (text) number on the application.

DATES AND TIMES

Program Registration

January 4, 2021–May 31, 2021

Registration Fee Due Date

April 30, 2021 (DEADLINE DATE)

Summer Program

July 12, 2021–August 6, 2021

Monday–Friday

Academic Year Program

October 2, 2021–May 15, 2022

Two Saturdays per month

FOR MORE INFORMATION

Online: esd.org/gea

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