

FORSE: 2022-2023

3,500+
students served

This year, we expanded both our partnerships and our program offerings! At Exploration High School, we provided funding for virtual reality curriculum, supported the development of a new 3D printing elective course, and organized a STEM field trip. At Highwood Hills Elementary, we planned and co-taught robotics projects, organized an assembly with a high school robotics team, supported executing the STEM Community Night, and sourced volunteers. At Create Mpls we recruited volunteers and provided robotics, 3D printing, and hydroponics materials for five schools. At Stonebridge World School, we organized STEM Play Days, planned STEM field trips, held in-school STEM enrichment events, and sourced materials and volunteers for their robotics club. At Little Women of Color, we provided speakers and STEM materials.

In the summer, we provided hands-on, fun science and engineering learning opportunities for over 1,500 St. Paul Public Schools students during our STEM Play Days. We also organized STEM speakers for St. Paul middle school students, arranged for Science from Scientists to provide weekly lessons to campers at Relentless Academy, recruited mentors for the Friends of the Mississippi River's Environmental Stewardship Institute, and provided educational consulting for the targeted Summer Enrichment Programs at Eden Prairie Public Schools and the Green Tech Internship Program at MIGIZI.



The variety of programs gave the students a good idea of the different ways that STEM can be seen in the workplace in the future, and not just in the traditional jobs of engineering but other options as well. Lots of hands on activities to show how the application of math and science principles work. - 2023 FORSE educational site coordinator

100%

of educational site coordinators said FORSE increased students'

knowledge of STEM pathways

100%

of educational site coordinators said FORSE helped students create positive associations

with STEM

2022-23 FORSE Educational Partners: Highwood Hills Elementary, Create Mpls, Stonebridge World School, Environmental Stewardship Institute (a program of the Friends of the Mississippi River), Little Women of Color, Saint Paul Public Schools, Powderhorn Park, Exploration High School, Relentless Academy, MEO Collaborative Pathways, MIGIZI, Eden Prairie Public Schools, S-STEM through STEM Inclusive Excellence at the University of St. Thomas, New Millenium Academy, Hiawatha Academy, Heritage Academy, El Colegio High School, Bdote Learning Center, Gateway STEM Academy, Ampersand Families, LoveWorks Academy **2022-23 FORSE Community Partners:** Science from Scientists, Free Geek Twin Cities, Nano Center, The Bakken, The Works, Now Make Art, Kitty Andersen Youth Science Center, UMN Market Science, Ag in the Classroom, Bell Museum **2022-23 FORSE Sponsors:** 3M, Howmet Aerospace, Michael H. Baker Foundation, Good Chemistry, Collins Aerospace, Emerson.

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