**2022 MATE ROV COMPETITION**

**THE 2022 MAGNITUDE:**
Building Back from the Pandemic

- **Participants:** 2,500 students (49 teams from 19 countries)
- **Volunteers:** 350 people
- **Mentors:** 854
- **Students & Mentors:** 1,227

**INTERESTED IN MATH AND SCIENCE**

86% more interested in STEM careers

**STUDENTS INCREASED SKILLS AND KNOWLEDGE**

86% more interested in STEM careers

**STUDENTS ARE MORE INTERESTED IN MATH AND SCIENCE**

“MATE was the catalyst for me (Spanish) computer engineering in college. I’m so grateful to this competition for everything!”

**TEACHERS SAW IMPROVEMENTS IN STUDENT LEARNING**

100% of students stated that their ROV project increased their ability to communicate the engineering design process.

**PARENTS PROVIDED POSITIVE FEEDBACK**

98% parents reported that their children were better team members.

**LEARNING FOR LIFE IN OUR TIMES**

- 83% of college students were STEM majors.
- 88% of college degrees were STEM degrees.
- 77% of employed alumni had a STEM-related job.

**COMPETITION’S INFLUENCE ON STUDENTS’ EDUCATIONAL AND CAREER PATHS**

- 94% credit the program with strengthening their 21st century workplace skills, including teamwork (96%), problem solving (92%), critical thinking (90%) and leadership (87%).
- 89% credit the program with influencing their education/career a little to a great extent.
- 88% of employed alumni had a STEM-related job.
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**DISCLAIMER:**

The data presented are from surveys completed by nearly 600 students, over 100 teachers, and nearly 200 parents who participated in 2022 MATE ROV Competition. The survey results are not statistically significant, but do represent responses to STEM career-aligned questions.

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