



MATE
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Middle School Underwater Robotics: 2010 MATE Program Highlights

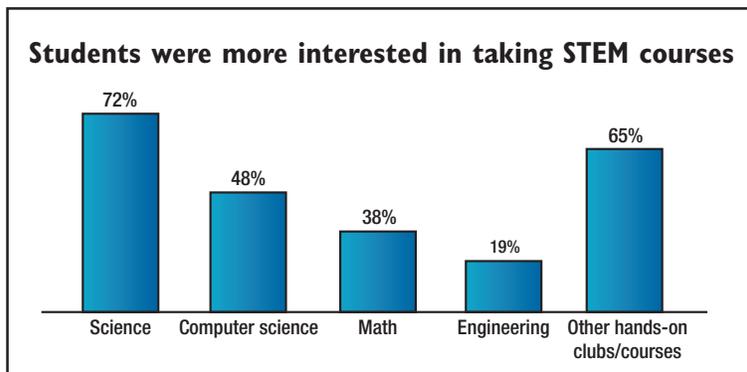
The Marine Advanced Technology Education (MATE) Center uses underwater robots (remotely operated vehicles or ROVs) as a way to get middle school students excited about learning science, technology, engineering, and math (STEM). The program also exposes students to ocean STEM career opportunities and helps them to see the pathways to those careers.

2010 marked the first year of MATE's concerted effort to reach and engage middle school students. Here's what resulted, and what their teachers and parents had to say.

An independent evaluation* found that after participating in the ROV program...

Students are more interested in math and science

- 95% were more excited to study math, science, computer science, and engineering
- 97% knew more about careers in marine STEM
- 71% were more interested in a marine STEM career

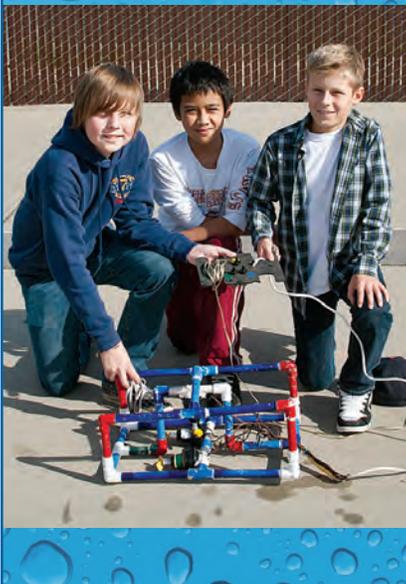


Teachers saw improvements in student learning

- 100% observed improvements in their students' STEM knowledge and skills
- 100% also saw improvements in team building, critical thinking, and problem solving

*For additional details regarding the evaluation methodologies, please contact the MATE Center.

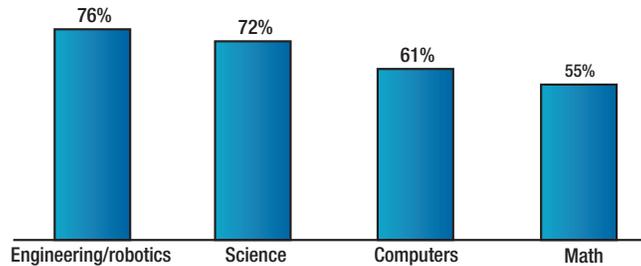




Parents provided positive feedback

- 95% said that their children were more interested in science, technology, engineering, or math
- 70% reported that their children were better able to work with others and that their child's self confidence had improved
- 28% marked that their children were better organized

Parents saw their children's grades improve



What parents had to say:

"This program kept my highly disillusioned, turned-off, gifted child in school."



"Remarkable improvement in leadership and speaking skills."



"More persistent when things don't work right away."



"Imagination has improved!"



"More involved in school, more social, happier."

For more information about the MATE Center and its ROV program, contact:

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