



**MATE**  
MARINE  
ADVANCED  
TECHNOLOGY  
EDUCATION  
CENTER



Dear Student:

Your responses to this survey will help us to improve our program! All of your responses are anonymous.

Please return the completed survey to your teacher/mentor or a MATE Center representative.

*Thank you!*

**Please use a black or blue pen or a #2 pencil to answer the questions**

**Q1. How would you rate your experience building and competing with your ROV?**

- Excellent
- Good
- Fair
- Poor
- Very poor

**Q2. Was this your first time building an ROV?**

- Yes
- No

**Q3. Did you know what an ROV was before you built one?**

- Yes
- No

**Q4. Before building your ROV, how much did you know about careers in science, technology, and engineering?**

- A lot
- Some
- A little
- Nothing

**Q5. After building your ROV, do you know more about careers in science, technology, and engineering?**

- Yes
- No -- Skip to Q7

**Q6. How much more do you know about careers in science, technology, and engineering now?**

- A lot more
- Some more
- A little more
- No more

**Q7. Are you interested in having a career in science, technology, or engineering?**

- Yes
- No
- Not sure

**MARKING INSTRUCTIONS**

- Use a black or blue pen or a #2 pencil to answer
- Make solid marks that fill the response completely.
- Erase cleanly any marks you wish to change.
- Make no stray marks on this form.

**CORRECT:**  **INCORRECT:** 

Q8. Has your ROV project made you more interested in a career in science, technology, or engineering? Less interested? No difference?

- More interested
- Less interested
- No difference

Q9. What career would you like to have when you finish school? *(Please print.)*

Q10. Has your ROV project made you want to learn more about science, technology, and engineering?

- Yes
- No
- Not sure

Q11. Has your ROV project increased your desire to take any of these courses? *(Mark ALL that apply.)*

- |  |  |
|--|--|
| <input type="radio"/> Math             | <input type="radio"/> Science (i.e., physics, chemistry, biology, earth science, etc.)             |
| <input type="radio"/> Computer science | <input type="radio"/> Hands-on classes or club activities like robotics, electronics, shop courses |
| <input type="radio"/> Engineering      | <input type="radio"/> None   |

Q12. Did participating in the ROV project help you learn how to apply science, technology, engineering and/or math to real-world problems?

- Yes
- No
- Not sure

Q13. Did participating in the ROV project help you learn how to communicate your engineering design to other people?

- Yes
- No
- Not sure

Q14. Have you or your school received an award or honor as a result of your ROV project?

- Yes -- Please describe:
- No

Q15. Has your ROV project opened up other education or career opportunities for you (e.g., strengthened college application, scholarship, internship, job offer)?

- Yes -- Please describe:
- No

This year's competition theme highlighted the role that ROVs play in exploring and documenting shipwrecks, studying sinkholes, and conserving our national maritime heritage sites.

Q16. Before you began your research for this competition, how much did you know about shipwrecks, sinkholes, and national maritime heritage sites?

- A lot
- Some
- A little
- Nothing

Q17. After completing your research for this competition, how much do you know now about shipwrecks, sinkholes, and national maritime heritage sites?

- A lot
- Some
- A little
- Nothing

Q18. Do you want to learn *more* about shipwrecks, sinkholes, and national maritime heritage sites?

- Yes
- No
- Not sure

Some questions about you:

Q19. What is your grade level? *(If you are completing this during the summer, please mark the grade you attended in the school year that just finished.)*

**Elementary, Middle School, and Junior High**

- 1st grade
- 2nd grade
- 3rd grade
- 4th grade
- 5th grade
- 6th grade
- 7th grade
- 8th grade

**High School**

- Freshman
- Sophomore
- Junior
- Senior

**Community or Technical College**

- Year 1
- Year 2

**Four-Year College or University**

- Freshman
- Sophomore
- Junior
- Senior

**Other** -- *(Please describe)*

Q20. What competition class did you participate in?

- EXPLORER
- RANGER
- NAVIGATOR
- SCOUT

**Q21. How many years have you participated in the MATE ROV competition?**

--	--

 Years

**Q22. If you live in the U.S., what is your home zip code? (Please leave blank if you live outside the U.S.)**

--	--	--	--	--	--

 zip code

**Q23. What is your gender?**

- Male
- Female

**Q24. What would you say best describes your ethnicity? (You can check more than one.)**

- |  |  |
|--|--|
| <input type="radio"/> White                  | <input type="radio"/> Pacific Islander                 |
| <input type="radio"/> African American/Black | <input type="radio"/> American Indian or Alaska Native |
| <input type="radio"/> Hispanic/Latino/a      | <input type="radio"/> Multiple Ethnicities             |
| <input type="radio"/> Asian                  | <input type="radio"/> Other -- Please describe         |
| <input type="radio"/> Filipino/a             |  |

--

**Q25. Do you have any disabilities that require accommodations?**

- Yes
- No
- Prefer not to respond

**Q26. Do you have any comments that you would like to share about your experience in the program? If so, please write them in the box below.**

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**THANK YOU!**

Please return your completed evaluation to your teacher or a MATE Center representative



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# MATE ROV Competition -- Volunteer Survey

Dear MATE ROV Competition Volunteer

This survey is being circulated by the Marine Advanced Technology Education (MATE) Center to help us to continue to improve the quality of the program and future events. The information that you provide on this survey is confidential and important to us!

Thank you!

Please use a black or blue pen or #2 pencil to answer the questions

**MARKING INSTRUCTIONS**

- Use a black or blue pen or #2 pencil to answer
- Make solid marks that fill the response completely.
- Erase cleanly any marks you wish to change.
- Make no stray marks on this form.

**CORRECT:** **INCORRECT:**

**Q01. What was your role in the competition? (Please mark all that apply.)**

- |  |   |
|--|---|
| <input type="radio"/> Poolside mission judge | <input type="radio"/> General competition support (e.g., registration desk) |
| <input type="radio"/> Engineering judge      | <input type="radio"/> Ocean Career Expo participant                         |
| <input type="radio"/> Poster judge           | <input type="radio"/> Other, please describe: <input type="text"/>          |
| <input type="radio"/> Technical support      |   |

**Q02. Did you spend most of your time working with the SCOUT, RANGER, NAVIGATOR, or EXPLORER classes? (Mark all that apply.)**

- |                              |                                 |                                      |
|------------------------------|---------------------------------|--------------------------------------|
| <input type="radio"/> SCOUT  | <input type="radio"/> NAVIGATOR | <input type="radio"/> Not applicable |
| <input type="radio"/> RANGER | <input type="radio"/> EXPLORER  |                                      |

**Q03. Please rate your experience with each of the following aspects of the MATE ROV competition.**

	EXCELLENT	GOOD	FAIR	POOR	VERY POOR	DON'T KNOW
A. Overall experience volunteering with the MATE ROV program .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B. The ROV competition support provided to the judges and volunteers (information, guidance, logistics, etc.) .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**Q04. Please mark the extent to which you agree or disagree with the following statements.**

	STRONGLY AGREE	AGREE	NEUTRAL	DISAGREE	STRONGLY DISAGREE	DON'T KNOW
A. Volunteering in the ROV program was a worthwhile use of my time. . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B. Volunteering in the ROV program was a rewarding experience. . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
C. I would volunteer again at a future competition. . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**Q05. Please mark the extent to which you agree or disagree with the following statements about the ROV program.**

**The ROV program helps...**

	STRONGLY AGREE	AGREE	NEUTRAL	DISAGREE	STRONGLY DISAGREE	DON'T KNOW
...prepare students for <b>careers</b> in marine science, technology and engineering. ....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...motivate students to <b>learn</b> science, technology, engineering and math. ....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...strengthen students' <b>21st Century Skills</b> , such as teamwork and critical thinking. ....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**Q06. Thinking about the majority of the students at the competition, please rate their skills in the following areas.**

	EXCELLENT	GOOD	FAIR	POOR	VERY POOR	DON'T KNOW
Content knowledge in science, technology, and/or engineering .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Critical thinking .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Teamwork .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Professionalism .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ability to communicate their engineering process and design .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q07. Do you currently work in a technology related field?

- Yes
- No -- Skip to Q10

Q08. If an entry-level job or internship were available at your organization, would you consider the students at the competition to be strong candidates?

- Yes, definitely
- Yes, probably
- No, probably not
- No, definitely not
- Don't know

Q09. Has your organization hired any students who participated in the MATE ROV program?

- Yes -- How many?
- No
- Don't know

Q10. How many years have you volunteered with the MATE ROV program?

years

Q11. Are you a Marine Technology Society (MTS) member?

- Yes
- No

Q12. Have you ever competed in a MATE ROV competition? (Mark all that apply.)

- Yes, as a student
- Yes, as a mentor
- No

Q13. What is your gender?

- Male
- Female

Q14. What would you say best describes your ethnicity? (Mark all that apply.)

- White
- African American/Black
- Hispanic/Latino/a
- Asian
- Filipino/a
- American Indian or Alaskan Native
- Pacific Islander
- Multiple ethnicities
- Other

Q15. Do you have any disabilities?

- Yes
- No
- Prefer not to respond

Q16. Do you have any comments you would like to share about your experiences as a volunteer? Write them in the space below.



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# MATE ROV Competition -- Parent Survey

2014

Dear Parent:

Your responses to this survey will help us to improve our program! All of your responses are anonymous.

Please return the completed survey to your child's teacher/mentor or a MATE Center representative.

*Thank you!*

*Please use a blue or black pen or #2 pencil to answer the questions*

**Q1. How many of your children are participating in the current MATE ROV competition?**

 

number of children participating TODAY

**Q2. How many of your children have ever participated in MATE ROV competitions?**

 

number of children EVER participating

**Q3. How would you rate your child(ren)'s experience building and competing with an ROV (underwater robot)?**

- |                                 |                                 |
|---------------------------------|---------------------------------|
| <input type="radio"/> Excellent | <input type="radio"/> Poor      |
| <input type="radio"/> Good      | <input type="radio"/> Very poor |
| <input type="radio"/> Fair      | <input type="radio"/> Not sure  |

**Q4. Has building an ROV made your child(ren) more interested in science, math, technology, or engineering? Less interested? No difference?**

- More interested
- Less interested
- No difference
- Not sure

**Q5. How valuable would you rate this competition for the educational development of your child(ren)?**

- Extremely valuable
- Quite valuable
- Somewhat valuable
- Slightly valuable
- Not at all valuable

**Q6. Has building an ROV affected your child(ren)'s grades in any of the subjects listed below?**

	Grades Improved	No Difference	Grades Declined	Doesn't study that subject
Science .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Math .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Computers .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Engineering/Robotics .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (Please specify): <input style="width: 200px;" type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**MARKING INSTRUCTIONS**

- Use a blue or black pen or #2 pencil to answer
- Make solid marks that fill the response completely.
- Erase cleanly any marks you wish to change.
- Make no stray marks on this form.

**CORRECT:** **INCORRECT:**

**Q7. What changes have you seen in your child(ren) as a result of their involvement in the ROV project?**  
(Mark all that apply.)

- More organized
- Better able to work with others
- Improved self confidence
- Other changes (Please describe):

**Q8. Has participation in the ROV program changed how you envision your child(ren)'s future? Is it easier to picture your child(ren) with a career in science, technology, engineering, or math?**

- Yes
- No
- Not sure

**Q9. As a parent, how much influence do you have on your child(ren)'s choice of careers?**

- A lot
- Some
- None
- Not sure

**Q10. Does your child(ren) attend...** [Answer only for your child(ren) participating today. Mark all that apply.]

- Elementary school
- Middle school/junior high
- High school
- College/university
- Other (Please describe):

**Q11. What competition class did your child(ren) participate in?** (Mark all that apply.)

- EXPLORER
- RANGER
- NAVIGATOR
- SCOUT
- Not sure

**Q12. Do you have any other comments to share about your child(ren)'s experience in the ROV program? If so, please write them in the box below.**

**THANK YOU!**

**Please return your completed evaluation to a MATE Center representative.**





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# MATE ROV Competition -- Instructor/Mentor Survey

Dear Instructor/Mentor:

This survey is being circulated by the Marine Advanced Technology Education (MATE) Center to help us improve the quality of the program and future events. *The information that you provide on this survey is confidential and important to us!* Only summary results will be reported. Return your completed survey to a MATE Center representative.

Thank you!

Please use black or blue pen or #2 pencil to answer the questions

**Q1. Overall, how would you rate the usefulness of the ROV program?**

- Excellent
- Good
- Fair
- Poor
- Very poor

**Q2. How would you rate the support provided by the ROV program?**

- Excellent
- Good
- Fair
- Poor
- Very poor

**Q3. What obstacles did you face in the ROV program this year? (Mark ALL that apply.)**

- Recruiting students
- Having the technical skills and expertise
- The time commitment
- Integrating this activity into existing curriculum
- Not enough support from MATE
- Not enough resources
- None

**Q4. We are interested in hearing about changes you may have observed in your students since they began designing and building their ROV. Please indicate how much you agree or disagree with each of the following statements.**

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
A. My students are more interested in learning about science, technology, engineering, and math (STEM).....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B. My students are more interested in pursuing a STEM career. ....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
C. My students have increased their STEM knowledge and skills. ....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D. My students have increased their ability to <b>apply</b> their STEM knowledge and skills to solving real-world problems. ....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
E. My students have improved their ability to <b>communicate</b> their engineering process and design to a wide audience. ....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
F. My students have increased their skills in team building, problem solving, and/or critical thinking. ....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**MARKING INSTRUCTIONS**

- Use a black or blue pen or a #2 pencil
- Make solid marks that fill the response completely.
- Erase cleanly any marks you wish to change.
- Make no stray marks on this form.

**CORRECT:** ●       
**INCORRECT:** ●

**Q5. Please indicate the degree to which you agree or disagree with each of the following statements.**

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Not Applicable
A. <i>The ROV program provided a valuable venue to help prepare my students for STEM careers. ....</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B. <i>I modified my curriculum and teaching based on MATE information/training. ....</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
C. <i>I used MATE materials/resources to incorporate the ROV building project into my course or club. ....</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D. <i>I intend to use what I learned through the project to work with future students. ....</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
E. <i>I feel that I am part of a MATE community that provides support and relevant resources. ....</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**Q6. Has the ROV program opened up other education or career opportunities for you? (E.g., professional development opportunities, partnerships with other schools/industry, job offers, etc.)**

- Yes -- Please describe:
- No

**Q7. Has the ROV program opened up other education or career opportunities for your students? (E.g., scholarships, internships, job offers, etc.)**

- Yes -- Please describe:
- No

**Some questions about you and your team**

**Q8. How many students worked on this project?**

--	--

# of students

**Q9. What competition class did your team participate in? (Mark ALL that apply.)**

- EXPLORER
- RANGER
- NAVIGATOR
- SCOUT

## Some questions about you

Q10. Are you a...? (Mark ALL that apply.)

- Teacher/faculty member
- Working professional (outside of the school system)
- After-school program or club coordinator
- Parent of an ROV team member
- Other

Q11. What audience do you teach and/or mentor? (Mark ALL that apply.)

- Elementary
- Middle/junior high school
- High school
- 2-year college or technical institution
- 4-year college or university
- Other (Please describe):

Q12. How many years have you participated in the MATE ROV competition?

<input type="text"/>	<input type="text"/>	Years
----------------------	----------------------	-------

Q13. This year, did you attend any workshops related to the ROV program?

- Yes
- No
- Not sure

Q14. How did you incorporate this project into your curriculum? (Mark ALL that apply.)

- Part of a course
- After-school club
- Voluntary activity
- Other -- Please describe

Q15. Did a classroom/club mentor come to your site to help your team? (A classroom/club mentor is a student or professional assigned to provide assistance at your site.)

- Yes
- No -- Skip to Q18 on the next page
- Not sure -- Skip to Q18 on the next page

Q16. To what extent did the mentor help you incorporate robotics activities into your course or club?

- A great extent
- A moderate extent
- A small extent
- Not at all
- Not sure
- Not applicable - did not work with a classroom/club mentor

Q17. Was the mentor adequately prepared to support you and your students through the ROV design and building process?

- Yes
- No
- Not sure
- Not applicable, did not work with a classroom/club mentor

Q18. What is your gender?

- Male
- Female

Q19. What would you say best describes your ethnicity? (You can check more than one.)

- White
- African American/Black
- Hispanic/Latino/a
- Asian
- Filipino/a
- Pacific Islander
- American Indian or Alaska Native
- Multiple Ethnicities
- Other -- Please describe

Q20. Do you have any disabilities?

- Yes
- No
- Prefer not to respond

Q21. Do you have any comments that you would like to share about your experience with the program and/or your students' experiences in the program? If so, please write them in the box below.

THANK YOU!

Please return your completed evaluation to a MATE Center representative.