



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

Marking Instructions:

CORRECT: ●

INCORRECT: ✓



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. Please indicate how much you agree or disagree with each of the statements below.

"Because of my ROV project..."

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
A. I know more about careers in science, technology, engineering, and math	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B. I am more interested in a career in science, technology, engineering, and math	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
C. I want to learn more about science, technology, engineering, and math ..	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D. I learned how to apply science, technology, engineering and/or math to solving real world problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
E. I learned how to communicate my engineering design to other people ..	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q4. Please indicate how much you agree or disagree with each of the statements below.

"Because of my ROV project..."

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
A. I am more interested in taking engineering courses.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B. I am more interested in taking science courses.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
C. I am more interested in taking math courses.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D. I am more interested in taking computer science courses.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
E. I am more interested in taking hands on classes or club activities like robotics, electronics, and shop courses.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q5. Please indicate how much you agree or disagree with each of the statements below.

"Because of my ROV project..."

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
A. I increased my skills and knowledge in engineering	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B. I increased my skills and knowledge in science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
C. I increased my skills and knowledge in math	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D. I increased my skills and knowledge in technology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
E. I know more about the competition theme : science under the ice and offshore oil and gas operations in extreme environments.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q6. Please indicate how much you agree or disagree with each of the statements below.

"Because of my ROV project..."

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
A. I am a better team member	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B. I am a better leader	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
C. I am a better problem solver	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D. I am a better critical thinker	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
E. I am more organized	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
F. I am more self-confident	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Some questions about you:

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

- Yes
- No
- Not sure

Q8. What career would you like to have when you finish school? *(Please print.)*

Q9. Have you or your school received an award or honor as a result of your ROV project?

- Yes -- Please describe:
- No

Q10. 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

Q11. 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)*

Q12. What competition class did you participate in?

- EXPLORER
- RANGER
- NAVIGATOR
- SCOUT

Q13. How many years have you participated in the MATE ROV competition?

Years

Q14. 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

Q15. What is your gender?

- Male
- Female

Q16. 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 | |

Q17. Do you have any disabilities that require accommodations?

- Yes
- No
- Prefer not to respond

Q18. 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.

THANK YOU!

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



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?

 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



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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.

	STRONGLY AGREE	AGREE	NEUTRAL	DISAGREE	STRONGLY DISAGREE	DON'T KNOW
The ROV program helps...						
...prepare students for careers 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 learn 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' 21st Century Skills , 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.



Q6. Please indicate how much you agree or disagree with each of the statements below.

"Because of the ROV project..."

Strongly Agree Agree Neutral Disagree Strongly Disagree Don't Know

- A. My child(ren) are better **team members**
- B. My child(ren) are better **leaders**
- C. My child(ren) are better **problem solvers**
- D. My child(ren) are better **critical thinkers**
- E. My child(ren) are more **organized**
- F. My child(ren) are more **self-confident**

Q7. What other changes have you seen in your child(ren) through their involvement in the ROV project?

Q8. Please indicate how much you agree or disagree with each of the following statements.

Strongly Agree Agree Neutral Disagree Strongly Disagree Don't know

- A. The ROV program is valuable for my child's educational development
- B. The ROV program has made it easier for me to envision my child with a career in science, technology, engineering, or math. . . .

Q9. Do your child(ren) attend... [Answer only for your child(ren) participating today. Mark all that apply.]

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

Q10. What competition class did your child(ren) participate in? (Mark all that apply.)

- EXPLORER
- RANGER
- NAVIGATOR
- SCOUT
- Not sure

Q11. 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.

