



MARKING INSTRUCTIONS

CORRECT: ● INCORRECT: ✗ ⊗ ⊖ ⊕

4-H Robotics Program

SCIENCE FOUNDATION

1. Please indicate to what extent you agree or disagree that your experience in this 4-H program or project has resulted in the following outcomes. (Select one response in each row by filling in the appropriate bubble.)

In the robotics project...	Strongly Disagree	Disagree	Agree	Strongly Agree
I like to see how things are made or invented.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I like experimenting and testing ideas.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I get excited about new discoveries.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I want to learn more about science.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I like science.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am good at science.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would like to have a job related to science.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do science activities outside of school.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I like science.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I think science is useful for solving everyday problems.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

LEVEL OF UNDERSTANDING

2. For each statement below, fill in the appropriate bubble that describes your level of understanding BEFORE attending this program and then AFTER attending this program. You will fill in two bubbles per row.

	Poor	Fair	Good	Excellent	BEFORE Session				AFTER Session			
	1	2	3	4	1	2	3	4	1	2	3	4
I understand what makes a robot work.	<input type="radio"/>											
I understand how to design a robot by sketching, drawing, or planning.	<input type="radio"/>											
I understand how to build a robot.	<input type="radio"/>											
I understand how to program a robot using a computer.	<input type="radio"/>											
I understand how to solve building and programming problems.	<input type="radio"/>											
I understand more about careers in robotics.	<input type="radio"/>											
I understand how to work on a team.	<input type="radio"/>											
I understand the importance of having good communication skills	<input type="radio"/>											

Please continue on the back.



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**SCIENCE SKILLS, ABILITIES, INTENTIONS and APPLICATIONS**

3. Please select one response in each row by filling in the appropriate bubble.

As a result of participating in the robotics project...	Yes	No	Unsure
I can design a robot.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can build a robot that can complete a task	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can program a robot that can complete a task.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can test the robot to make sure it works properly.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can solve problems of design, building, or programming.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I will use concepts I have learned to build a better robot.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I will be a better teammate.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I will communicate with others better.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I plan to continue the robotics project.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I will lead others in the robotics project.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. What is the most important thing you have learned in this robotics program? Feel free to list or describe more than one.

5. What have you learned that has given you the ability to be a better scientist.

*Please tell us about yourself.*

<b>Gender:</b> <input type="radio"/> Female <input type="radio"/> Male	<b>I consider myself to be:</b> <input type="radio"/> African American <input type="radio"/> White
	<input type="radio"/> Asian American <input type="radio"/> Other
	<input type="radio"/> Native American
<b>Grade:</b> <input type="radio"/> 3rd <input type="radio"/> 5th <input type="radio"/> 7th <input type="radio"/> 9th <input type="radio"/> 11th	<b>I consider myself to be:</b> <input type="radio"/> Hispanic <input type="radio"/> Non-Hispanic
<input type="radio"/> 4th <input type="radio"/> 6th <input type="radio"/> 8th <input type="radio"/> 10th <input type="radio"/> 12th	
<b>Most of the time, you live . . .</b> <input type="radio"/> Farm or ranch	<input type="radio"/> Suburb of city between 50,000
<input type="radio"/> Town less than 10,000	<input type="radio"/> Central city/urban center with more than 50,000
<input type="radio"/> City between 10,000 - 50,000	

