QUEST Project - EL STEM Career Awareness Inventory

PURPOSE: This survey is designed to gather information about how your interests in Urban Ecology and STEM careers have changed after participating in the Urban Ecology course at your site.

PART I. DEMOGRAPHIC INFORMATION

Please answer the following questions.

1. Grade Level
   - 4th
   - 5th
   - 6th
   - 7th
   - 8th

2. Age
   - 9 years old
   - 10 years old
   - 11 years old
   - 12 years old
   - 13 years old
   - 14 years old
   - 15 years old

3. Gender
   - Male
   - Female

4. Race/Ethnicity
   - African American/Black
   - Caucasian/White
   - Asian American
   - Hispanic/Latino
   - Multi Racial
   - Other

5. First Language
   - English
   - Spanish
   - French
   - Japanese
   - Chinese
   - Other

6. What grade did you start school in the United States?
   - Preschool
   - Kindergarten
   - 1st Grade
   - 2nd Grade
   - 3rd Grade
   - 4th Grade
   - 5th Grade
   - 6th Grade
   - 7th Grade
   - 8th Grade

7a. Science Teacher's Gender
   - Male
   - Female
7b. Math Teacher's Gender

<table>
<thead>
<tr>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
</table>

**PART II. SCIENCE**

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Please answer the following questions.

8. Please choose the answer that best describes who you are, now that you have participated in the Urban Ecology course.

<table>
<thead>
<tr>
<th>Strongly Disagree</th>
<th>Disagree</th>
<th>Agree</th>
<th>Strongly Agree</th>
<th>Not Sure</th>
</tr>
</thead>
<tbody>
<tr>
<td>I am able to get a good grade in my science class.</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>I am able to complete my science homework.</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>I plan to use science in my future career.</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>I will work hard in my science classroom.</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>If I do well in science classes, it will help me in my future career.</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>My parents would like it if I choose a science career.</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>I am interested in careers that use science.</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>I like my science class.</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>I have a role model such as a teacher, community member, or other adult in a science career.</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>I would feel comfortable talking to people who work in science careers.</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>I know of someone in my family who uses science in their career.</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>I am interested in science careers that include cities and neighborhoods.</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

9. Why do you strongly disagree or strongly agree on any of the items above?

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**PART III. INTEREST IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM)**
PART III. INTEREST IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM)

Definition of STEM:
STEM is the science area where students look at questions about how the world works through the practices of science, technology, engineering, and mathematics (STEM).

Please answer the following questions.

10. Please choose the answer that best describes who you are, now that you have participated in the Urban Ecology course.

<table>
<thead>
<tr>
<th>Statement</th>
<th>Strongly Disagree</th>
<th>Disagree</th>
<th>Agree</th>
<th>Strongly agree</th>
<th>Not Sure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math is fun.</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Science in fun.</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Technology is fun.</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Math is interesting.</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Science is interesting.</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Technology is interesting.</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

11. Why do you strongly disagree or strongly agree to any of the items above?

12. Would you be interested in participating in the following:

<table>
<thead>
<tr>
<th>Club</th>
<th>✓</th>
<th>○</th>
<th>○</th>
<th>○</th>
<th>○</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science Club</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ecology Club</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer Club</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Math Club</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

13. Please list examples of jobs that you think use math:

13a. Have you learned about any new jobs that you think use math?

14. Please list examples of jobs that you think use science:

14a. Have you learned about any new jobs that you think use science?

15. Please select how you view Science, Technology, Engineering, and Mathematics (STEM) jobs (Check all that apply):

- Math is fun.
- Science is fun.
- Technology is fun.
- Math is interesting.
- Science is interesting.
- Technology is interesting.
16. What type of job would you like to have in the future?

17. Tell us about your plans after high school. After high school I plan to go to:

   - 4-year college
   - 2-year college
   - Technical school
   - Find a full-time job
   - Other

18. Are you considering a career in science, technology, engineering, or math?

   - Yes... if Yes, please explain
   - No... if No, please explain
   - Maybe... please explain

Thank you for taking the time to complete the survey!