Common Measures 2.0 Survey

Science + Engineering - Grades 8-12

Dear Participant: You have been given this survey because you have participated in a 4-H program or project and 4-H would like to learn about you and your experiences in 4-H. Your answers are important and they will be kept private. But, if you don’t want to fill out the survey, you don’t have to or if there is a question you don’t want to answer, you can leave it blank. There are no right or wrong answers, so please answer all questions honestly. Thank you for your help!

**Program Information**

**1. What is the name of this 4-H program/event?**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2. What is the name of your 4-H teacher or instructor?**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**3. Where did the program take place?**

* Camp
* Club
* Afterschool
* School Enrichment
* Special Interest Program/Spark Club
* I don't know
* Not Listed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**4. Which county did this program take place in?**

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**4-H Participation**

**5. How long have you been participating in 4-H?**

* Less than a year
* Between one and two years
* Three or more years
* This is my first time attending a 4-H program/event

**6. Which one of the following best describes how many hours you typically spend in 4-H programs/projects each week?**

* Less than one hour
* Between one and three hours
* More than three hours
* This is my first time attending a 4-H program/event

**7. Which of the following best describes how you are involved with 4-H? (Select each box ☒ that applies to you)**

* Clubs
* Camps
* After-school programs
* In-school programs
* Local fairs/events
* Community service projects
* Working on my projects at home
* Not Listed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* This is my first time attending a 4-H program/event

**8. Which county is your primary county for 4-H participation?**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Your Interest in Science**

**9. How much do you like science?**

* A lot
* A little
* Not at all

**10. How much do you like engineering?**

* A lot
* A little
* Not at all

**11. Would you like a job that uses science?**

* Yes
* Sort of
* No

**12. Would you like a job that uses engineering?**

* Yes
* Sort of
* No

**13. Read each question below and choose the answer that best describes you.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Yes | Usually | Not Really | No |
| Are you interested in learning about Animal Science?  |  |  |  |  |
| Are you interested in learning about Plant Science?  |  |  |  |  |
| Are you interested in learning about Environmental Science?  |  |  |  |  |
| Are you interested in learning about Robotics?  |  |  |  |  |
| Are you interested in learning about Engineering?  |  |  |  |  |

**Science Thinking**

**14. During this 4-H program/event, did you learn new things about engineering?**

* Yes
* Sort of
* No

**15. During this 4-H program/event, did you learn new things about science?**

* Yes
* Sort of
* No

**16. Read each question below and choose the answer that best describes you.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Yes | Usually | Not Really | No |
| Do you ask questions about how things work?  |  |  |  |  |
| Do you try new things to see how they will work?  |  |  |  |  |
| Do you look at how things are same or different?  |  |  |  |  |
| Do you compare how different things work?  |  |  |  |  |
| Do you take things apart to see how they work?  |  |  |  |  |
| Do you come up with ideas for how to build new things?  |  |  |  |  |

**17. During this 4-H program/event, did you talk about how science can be used to help solve everyday problems?**

* Yes
* Sort of
* No

**18. Have you shared a science-related project with others?**

* Yes
* Sort of
* No

**Your Engineering Skills**

**19. Read each question below and choose the answer that best describes you.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Yes | Sort of | No |
| Do you know how to define an engineering design problem?  |  |  |  |
| Do you know how to identify potential solutions to a design problem?  |  |  |  |
| Do you know how to evaluate test results to identify the best solution?  |  |  |  |
| Do you know how to communicate a design solution to others?  |  |  |  |

**Engineering Attitudes**

**20. For the following questions, please mark how much you agree with each sentence.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Strongly Agree | Agree | Disagree | Strongly Disagree |
| I like engineering  |  |  |  |  |
| I would like a job that involves using engineering  |  |  |  |  |
| I would like a job that involves using engineering.  |  |  |  |  |

**About You**

**21. How old are you?**

Years old: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**22. What grade are you in?** (*If it is summer break, which grade will you be starting in the fall?)*

Grade: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**23. Which of the following best describes your gender?**

* Male (boy)
* Female (girl)
* I prefer not to answer
* Not Listed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**24. Which of the following best describes your race?**

* Asian
* Black or African-American
* Hispanic or Latino
* Native American
* Native Hawaiian/Other Pacific Islander
* White or Caucasian
* More than one race
* I don’t know
* I prefer not to answer

**25. Which best describes the place where you live?**

* Farm
* Rural (non-farm residence/town under 10,000 people)
* Town or City (over 50,000 people)
* Suburb of a City (over 50,000 people)
* City (over 50,000)
* I prefer not to answer

**END OF SURVEY**