

# 4-H Common Measures Science Survey



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!

## Your Interest in Science & Science Thinking

1. **How much do you like science?**
  - A lot
  - A little
  - Not at all
2. **Would you like a job that uses science?**
  - Yes
  - Sort of
  - No
3. **How much do you like engineering?**
  - A lot
  - A little
  - Not at all
4. **Would you like a job that uses engineering?**
  - Yes
  - Sort of
  - No
5. **At 4-H, did you learn new things about science?**
  - Yes
  - Sort of
  - No
6. **At 4-H, did you learn new things about engineering?**
  - Yes
  - Sort of
  - No

7. **At 4-H, did you talk about how science can be used to help solve everyday problems?**

- Yes
- Sort of
- No

8. **Have you shared your science-related project with others?**

- Yes
- Sort of
- No

## Your Science Skills & Attitudes

9. **Do you know how to ask a hypothesis that can be tested?**

- Yes
- Sort of
- No

10. **Do you know how to plan an experiment?**

- Yes
- Sort of
- No

11. **Do you know how to analyze data to draw conclusions about a hypothesis?**

- Yes
- Sort of
- No

12. Do you know how to communicate the results of an experiment to others?

- Yes
- Sort of
- No

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

13. I like science.

- Strongly agree
- Agree
- Disagree
- Strongly disagree

14. I would like a job that involves using science.

- Strongly agree
- Agree
- Disagree
- Strongly disagree

15. I would like to study science after high school.

- Strongly agree
- Agree
- Disagree
- Strongly disagree

### Your Engineering Skills & Attitudes

16. Do you know how to define an engineering design problem?

- Yes
- Sort of
- No

17. Do you know how to identify potential solutions to a design problem?

- Yes
- Sort of
- No

18. Do you know how to evaluate test results to identify the best solution?

- Yes
- Sort of
- No

19. Do you know how to communicate a design solution to others?

- Yes
- Sort of
- No

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

20. I like engineering.

- Strongly agree
- Agree
- Disagree
- Strongly disagree

21. I would like a job that involves using engineering.

- Strongly agree
- Agree
- Disagree
- Strongly disagree

22. I would like to study engineering after high school.

- Strongly agree
- Agree
- Disagree
- Strongly disagree

### About You

23. How old are you?

years old

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

Grade

25. Which of the following best describes your gender?

- Male (boy)
- Female (girl)
- I don't want to say

**26. Which of the following best describes your race and ethnicity?**

- American Indian or Alaskan Native
- Asian
- Black or African American
- Hispanic or Latino
- Native Hawaiian/Other Pacific Islander
- White or Caucasian
- More than one race
- I don't know

**27. How many hours do you typically spend on 4-H activities each week?**

- Less than 1 hour
- 1 hour
- 2 hours
- 3 hours
- 4 hours
- 5 or more hours

**Thank you very much!  
Please return this survey as directed.**