

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. Are you interested in learning about animal science?

- Yes
- Usually
- Not Really
- No

2. Are you interested in learning about plant science?

- Yes
- Usually
- Not Really
- No

3. Are you interested in learning about environmental science?

- Yes
- Usually
- Not Really
- No

4. Are you interested in learning about robotics?

- Yes
- Usually
- Not Really
- No

5. Are you interested in learning about engineering?

- Yes
- Usually
- Not Really
- No

6. How much do you like science?

- A lot
- A little
- Not at all

7. Would you like a job that uses science?

- Yes
- Sort of
- No

8. How much do you like engineering?

- A lot
- A little
- Not at all

9. Would you like a job that uses engineering?

- Yes
- Sort of
- No

10. Do you ask questions about how things work?

- Yes
- Usually
- Not really
- No

11. Do you try new things to see how they will work?

- Yes
- Usually
- Not Really
- No

12. Do you look at how things are the same or different?

- Yes
- Usually
- Not Really
- No

13. Do you compare how different things work?

- Yes
- Usually
- Not Really
- No

14. Do you take things apart to see how they work?

- Yes
- Usually
- Not Really
- No

15. Do you come up with ideas for how to build new things?

- Yes
- Usually
- Not Really
- No

16. At 4-H, did you learn new things about science?

- Yes
- Sort of
- No

17. At 4-H, did you learn new things about engineering?

- Yes
- Sort of
- No

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

- Yes
- Sort of
- No

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

- Yes
- Sort of
- No

Your Science Skills & Attitudes

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

- Yes
- Sort of
- No

21. Do you know how to plan an experiment?

- Yes
- Sort of
- No

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

- Yes
- Sort of
- No

23. 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.

24. I like science.

- Strongly agree
- Agree
- Disagree
- Strongly disagree

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

- Strongly agree
- Agree
- Disagree
- Strongly disagree

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

- Strongly agree
- Agree
- Disagree
- Strongly disagree

Your Engineering Skills & Attitudes

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

- Yes
- Sort of
- No

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

- Yes
- Sort of
- No

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

- Yes
- Sort of
- No

30. 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.

31. I like engineering.

- Strongly agree
- Agree
- Disagree
- Strongly disagree

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

- Strongly agree
- Agree
- Disagree
- Strongly disagree

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

- Strongly agree
- Agree
- Disagree
- Strongly disagree

Demographic

34. How old are you?

years old

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

grade

36. Which of the following best describes your gender?

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

37. 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

4-H Involvement

38. 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

39. Are you involved in 4-H at the county level?

- Yes
- No

40. Are you involved in 4-H at the state level?

- Yes
- No

41. Are you involved in 4-H at the national level?

- Yes
- No

42. Why are you involved in 4-H?

43. What has been the most interesting thing you have learned by being involved in 4-H?

44. How might you be different if you had never been involved 4-H?

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