

Agricultural Science and Careers:

An Interactive Curriculum for Youth Educators

Participant Questionnaires



MISSISSIPPI STATE
UNIVERSITY™

EXTENSION

Appendix A: Participant Questionnaires

This curriculum and accompanying materials can be downloaded at <https://msuext.ms/p4066>.

Survey Questions

Introduction

The following survey questions are to be administered to students before beginning the curriculum and at the end of all the modules. The pre-test is done to help determine students' prior knowledge about agriculture, while the post-test helps to evaluate students' grasp of the material and changed perspectives.

Estimated activity time: 10 minutes

Materials

- pre-test questionnaire (page 22), one per student
- post-test questionnaire (page 23), one per student
- pencil or pen, one per student



Pre-Test Questions

Name: _____

Check the box that best describes you.

Gender: Male Female I prefer not to answer

Race/Ethnicity: Asian Black/African American Hispanic/Latino Multiracial/Biracial White Other

Have you participated in or are you involved in any agriculture-related classes or activities (for example, gardening, FFA or 4-H, job at a farm store)?

Never Yes, but only a little bit Yes, a lot

Is anyone in your family (for example, a parent or guardian, grandparent, brother/sister, aunt/uncle, or cousin) involved in agriculture?

No Yes, just one Yes, multiple

Question	Absolutely Yes!	Yes	Maybe	No	Absolutely Not!
Do you think agriculture is related to STEM (science, technology, engineering, and math)?					
Do you have any interest in agriculture and its careers?					
Do you think people with a similar background as you are working in agriculture?					
Do you think there are diverse job opportunities in agriculture?					

What is groundwater?

Water inside underground oceans Water inside underground pipes
Water inside the holes of underground rocks Water above the ground

Which foods require the use of microorganisms (e.g., bacteria or yeast) to be produced? Pick all that apply.

Bread Coke Yogurt Cheese

Which risks increase when soil aggregates (clumps) break down? Pick all that apply.

Flooding Drought Leaching Erosion

What educational level do you need to have to start a career in agriculture?

High school diploma Associate degree Bachelor’s degree
Graduate (master’s/PhD) degree All of these levels of education can lead to agricultural careers

Post-Test Questions

Name: _____

Give your best answer to the following questions.

What part(s) of the presentations or modules did you enjoy most?

Compared to before the presentations:	Absolutely Yes!	Yes	Maybe	No	Absolutely Not!
I am more aware of how agriculture is related to STEM (science, technology, engineering, and math)					
I understand more about the importance of protecting our soil and water					
I am more aware of the diverse job opportunities in agriculture					
I am more interested in agriculture and its careers					
I am more likely to take classes related to agriculture					
I am more likely to join extracurricular activities related to agriculture					
I would tell others about what I learned from the presentations					

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