**Discussion GUIDE: Agricultural & Horticultural Sciences Careers**

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| **TEACHER DISCUSSION LEADERS:**  1. Lead a class discussion about Agricultural & Horticultural Sciences  (A & HS) careers using the Proposed Student Discussion Questions and  Prompts.  2. Discuss which high school CTE courses help students get ready for a  career in Agricultural & Horticultural Sciences.  3. Key Agricultural & Horticultural Sciences introductory concepts include:  a) Natural Resources and the Environment, b) Agribusiness Production,  Processing, and Marketing, and c) Plant and Soil Sciences.  4. Find additional Agricultural & Horticultural Sciences resources on the  TREES website at <https://www.cteintrees.org/career-exploration-resources>. | **STUDENT OPTIONS:**  1. Take the Career Assessment in the *TREES Career Guide for Students*. Then,  review Agricultural & Horticultural Sciences job titles on pages 22 and 23.  2. Take the *True Colors Personality Quiz* at  <https://www.ira.esc14.net/upload/page/0255/True%20Colors.pdf>.  3. Watch the 1.5-minute *Agricultural & Food Science Technicians* video at  <https://www.careeronestop.org/videos/careeronestop-videos.aspx?videocode=19401200>  4. Do your own research about A & HS careers to learn more.  5. Participate in a class discussion. |

Proposed Student Questions and Prompts

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| Q1a. What do people in Agricultural & Horticultural Sciences careers do? Which A & HS jobs (page 22 of the *Career Guide for Students*) are most interesting to you? Characteristics of A & HS professionals include:  ***Doers*** generally ‘hit the ground running,’ rarely procrastinate, and like a challenge. ***Thinkers*** solve problems, make decisions, and organize tasks well.  Q1b. What strengths did *True Colors* identify about you? | **In an Agricultural & Horticultural Sciences career** you may work in a scientific laboratory or raise plants and/or animals. You may research and analyze land and water resources. You may develop sustainable methods of producing agricultural and horticultural products. You may open an urban agriculture or vertical farming business or create new strains of corn or beans.  What skills might you need to improve to be more successful in an A & HS career? Skills are the ability to do something well. |
| Q2. What did you learn from the *Agricultural & Food Science Technicians*  video? | What skills do Agricultural & Food Science Technicians need? Which of those skills do you already have? What skills might you need to improve for a career in Agricultural and Horticultural Sciences? |
| Q3. Do you know someone who works in the Agricultural & Horticultural  Sciences industry such as a Biologist, Biotechnology Researcher, Wildlife  or Conservation Agent, Food Scientist, Teacher, Urban Farmer, etc.? | What do they do at work?  What high school courses would help you get started in an Agricultural & Horticultural Sciences career? |
| Q4. What Agricultural & Horticultural Sciences Technician employers are in  your local area? | *Carey Animal Clinic* and *CHS Elburn* are two local Agricultural & Horticultural Sciences employers. Can you list 3 more employers?  1.  2.  3. |