

Name: _____

Careers in Pre-Production

Part 1

Directions:

Join your team, as designated by your teacher. Your team will draw a card from your teacher to determine your role. Your team represents a real-world expert in the early stages of plant production. Use [AgExplorer](https://AgExplorer.FFA.org) (AgExplorer.FFA.org) to answer the following as your career expert:

Education or Training Needed	
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Career Name:

(include picture)

Are you interested in this career? Why or why not?

- **What is the role of this career?**

- **What is the average salary for this career?**



Where does this job usually happen?

List three daily tasks or responsibilities.

-
-
-

What two skills or personality traits help someone be successful in this job?

-
-

Name: _____

Part 2

Directions: Your group has been assigned a real-world Plant Systems scenario. As an expert in your career area, you'll analyze the problem, develop a response and collaborate with other career groups to form a full solution. Fill out the questions below as you work.

Group/Career Role: _____

Step 1: Understand the Scenario

Scenario Title: _____

1. What is the main problem in this scenario?
2. Why is this a concern in the world of plant production?
3. What details or data would be helpful to know more about?

Step 2: Your Role's Perspective

4. What would someone in your assigned career do about this problem?
5. What three steps would your role take to solve or investigate the issue?
6. What three limitations, risks or concerns would your expert have?

Name: _____

Step 3: Interdepartmental Collaboration

Now that your team has created a plan based on your expert's point of view, it's time to connect with other groups who have different roles. In real plant science careers, professionals work together to solve complex problems by sharing knowledge and ideas.

You will now meet with two or three other groups. Each group will take turns sharing their role, their first idea for solving the problem and what challenges they are facing. Listen closely and ask questions if something is unclear.

Use these sentence starters during discussion:

- Our role is _____, and we think the main problem is _____.
- One solution we're considering is _____.
- We're unsure about _____ and would like your advice on it.
- What would someone in your career role suggest we try?

7. What are two new ideas that other career groups shared that helped your team think differently?

8. Did any ideas challenge your original thinking or make you change your plan? What and why?

9. In a report format that could be presented to the lead of the committee (teacher), write your group's final solution or plan after hearing from other experts.



Name: _____

Part 3

Directions:

After completing the scenario activity and collaborating with other career groups, take time to reflect on what you learned. This activity will help you connect your career role to real-life plant science and teamwork. Answer the reflection questions after the presentations.

Group Presentation

Each group will present the following to the class:

- The name of your assigned career role
- Two or three interesting facts you learned about that career
- Your original idea to solve the scenario
- How your plan changed after collaboration
- What role your career played in the final solution

Presentation Rubric

Qualification	Very strong evidence of skill is present. (5–4 pts)	Moderate evidence of skill is present. (3–2 pts)	Weak evidence of skill is present. (1–0 pts)	Total Points (20 possible)
Presentation Skills	Is thorough and maintains eye contact	Somewhat professional and depends on the presentation	No evidence of preparation	
Grammar/Punctuation/Spelling	Spelling, grammar and punctuation are extremely high quality with two or less errors in the document.	Spelling, grammar and punctuation are adequate with three to five errors in the document.	Spelling, grammar and punctuation are less than adequate with six or more errors in the document.	
Time	Two minutes or more	Between one and two minutes	Under one minute	
Overall Impression	Presentation was professional, and presenter thoroughly explained the plan/idea.	Presentation was complete but lacked some detail.	The presentation lacked polish and information.	
			Total	

Name: _____

Reflection Questions:

1. Which career roles worked well together?
2. What would happen if one of these roles didn't exist in the real world?
3. Which role would YOU want on your team if this happened in real life? Why?
4. What is something new you learned about your assigned career?
5. What was your favorite part of being in this role?
6. How did your role help the group solve the problem?
7. How is your career role connected to the bigger picture of agriculture (the agricultural value chain)?
8. Would you be interested in learning more about this career or working in it one day? Why or why not?

