

Instructional Scenario

Technology in Agriculture



Course: Agricultural Business Fundamentals I

Scenario:

There is a local farming business that is looking to expand their business to include more technology. They are interested in employees who know how to operate and program technology that will help recognize and diagnose crop production problems. The farm is discovering that farmers who have farmed their whole lives are not up to date on the technology aspect of farming and they are having difficulty finding qualified candidates for the job. They reach out to the local high school to work with them on training potential future employees on the technology available to them. Their hopes are that when the students graduate, they will be able to operate the desired technology for the farm.

Big Question:

What are some examples of technology used in agribusiness and how can a student begin to prepare themselves for operating this technology in the future?

Focused Questions:

- What is the purpose of precision agriculture?
- How have technologies increased efficiency in agribusiness?
- How could a precision agriculture device on a tractor save an agricultural producer money?

Student Project or Outcome:

Students research developing technologies.

Project-Based Assessment:

Have students research developing technologies that improve agricultural production. Once they discover one that interests them, have them reach out to the company and inquire more about how the technology works and the process of repairing it. The students can present their findings to the class in order to spread the interest even further.

Teacher Resources:

- [Agribusiness Management and Leadership \(01.41200\)](#), Georgia Agricultural Education
- [Educator Resources](#), FFA

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