

Instructional Scenario

Virginia's Agricultural Economy



Course/Duty Area: Agriscience & Technology/Understanding Agricultural Trade

Scenario:

Virginia is a prime state for agricultural trade. The commonwealth imports and exports a variety of commodities, and that trade leads to significant revenue for Virginia and its agricultural producers. Agricultural trade is essential for the sustainability of Virginia's strong economy.

Big Question:

Why is agricultural trade important to Virginia, and how can it be protected?

Focused Questions:

- What are some risks associated with agricultural trade?
- How can Virginia's commodities be protected?
- What features make Virginia a prime location to conduct agricultural trade?
- What are Virginia's primary imports and exports?
- How can electronic management systems be protected against a cyber-attack?
- What states and countries does Virginia conduct trade with?
- How much gross revenue does agricultural trade contribute to Virginia?
- What is Virginia's gross domestic product (GDP)?

Student Project or Outcome:

Students will identify risks and create solutions related to the safety and security of Virginia's agricultural trade.

Project-Based Assessment:

Students will create a comprehensive list of risks associated with agricultural trade in Virginia and create a risk management plan to mitigate or resolve such risks.

Teacher Resources:

- [Journey 2050](#)
- [Cyberbiosecurity + biosecurity](#), Center for Advanced Innovation in Agriculture, Virginia Tech

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