

Stage 4 Lesson 3

Researching Technology in Grain Farming



Use class created criteria to complete research for this inquiry:

How is technology changing the way Ontario farmers grow grains like barley, corn, oats, soybeans, and wheat?

Sample Research Questions: Use books, videos, interviews, or reliable websites (like GoodinEveryGrain.ca) to help you answer these questions.

A. Understanding the Big Idea

- What kinds of grains do Ontario farmers grow?
- What do we mean by *technology in farming*?
- How has technology changed farming over time?

B. Technology on the Farm

- How do tractors, combines, or planters use computers or GPS?
- What is a *robotic* or *self-driving* tractor?
- How are *drones* used on grain farms?
- How do *satellites* or *soil sensors* help farmers make decisions?
- What are some *apps* or *programs* that farmers use?

C. Farming and Sustainability

- How does technology help farmers use less water, fuel, or fertilizer?
- How does technology help protect the environment?
- How can technology help farmers take care of their soil for the future?

D. The Human Side of Farming

- How does technology make farmers' work safer or easier?
- Do all farmers use the same tools? Why or why not?
- How do farmers learn to use new technology?
- What might make it hard for a farmer to use new tech?

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