

Developing Competencies



PROJECT Agriculture
Project-Based Learning and
Teaching Series

More Than Just Farming

What are the agriculture jobs of the future?



www.albertamilk.com/teacher-resources/

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Compare Farm Technology



Make It Personal

What type of farm interests you most? Why? What would you like to learn about this type of farming?

Use the **Modern Farmers Learning Source** to help you complete these learning tasks.

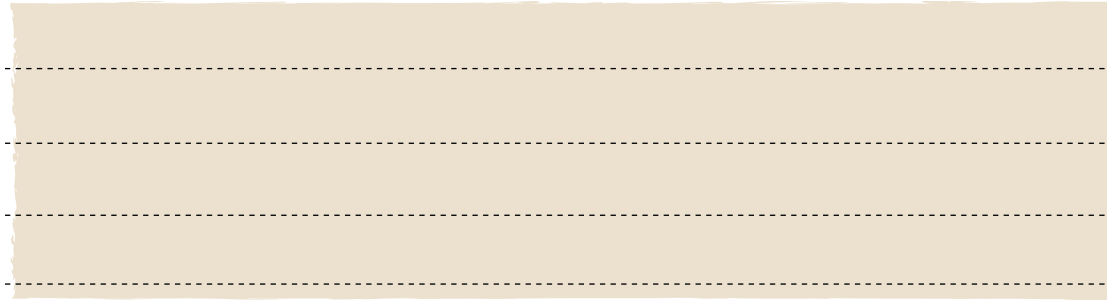


Investigate

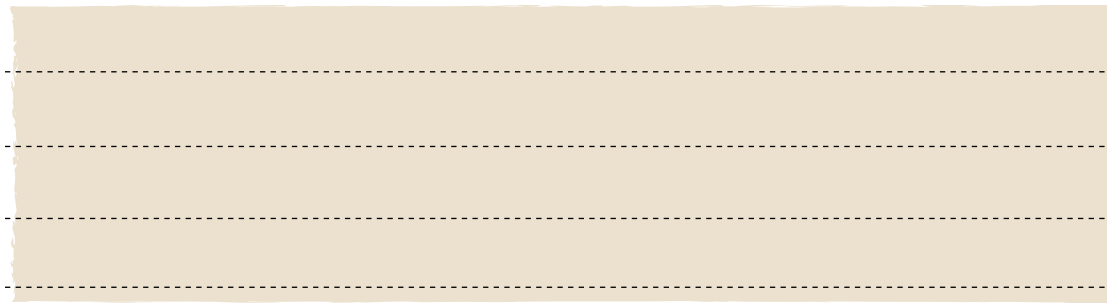
Visit the **Farm Food 360** website at www.farmfood360.ca. Select a farm and click on the tile to find a virtual farm tour. Some farms provide a video tour, while others provide a tour with links.

What examples of technology can you identify in the virtual tour you selected? Describe at least three different examples.

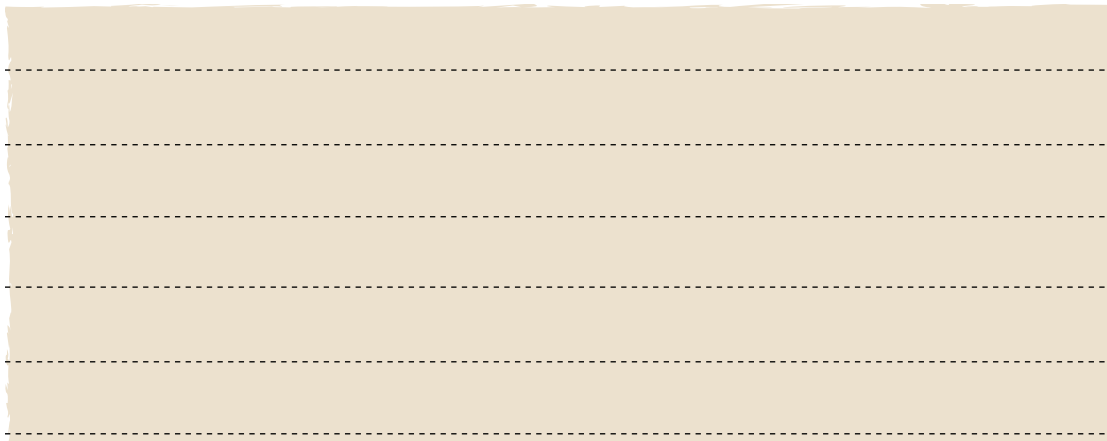
How do you think this technology has changed some of the jobs and responsibilities of farmers? Use one of your examples to explain.



Why do you think farmers choose to use technology?



When and why do you think farmers may choose not to use technology?



What can you learn about farm jobs and skills from virtual tours of different types of farms?

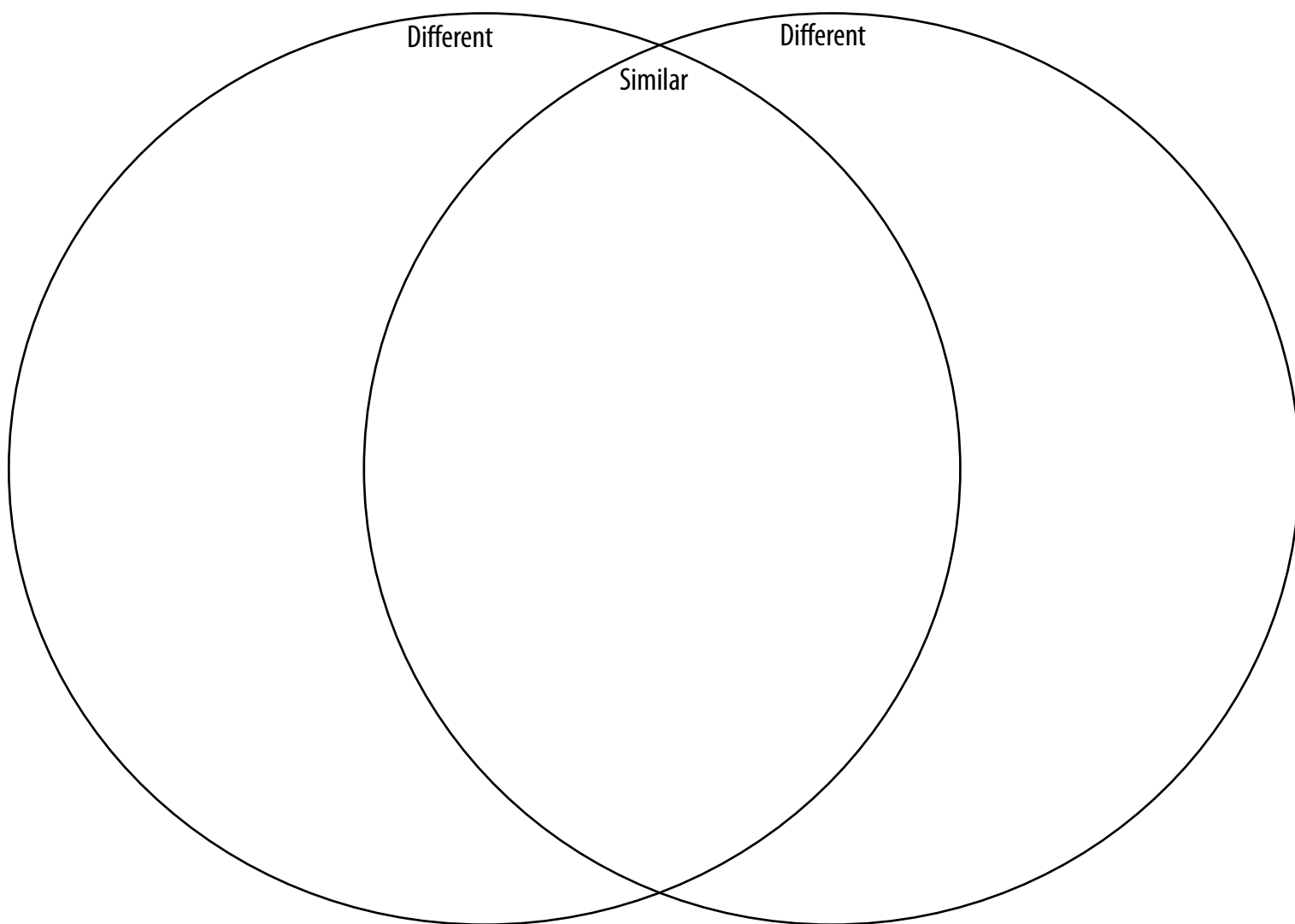
Choose two different types of farms. How are the jobs of these farmers similar? How are they different?

Label the type of farm in each circle of a **Venn**.

- Identify similar jobs in the middle where the two circles overlap.
- Identify jobs that are unique to each farm in the outside circles.

Farm Type 1:

Farm Type 2:



Target Learning

	yes	Sometimes	Not yet
I organize and evaluate multiple pieces of information to build my understandings.			
I compare similarities and differences to analyze information.			
I interpret the information to make my own conclusions.			



Use Family and Community Stories to Share Perspectives and Experiences



Make It Personal

Do you live on, or have you been to a farm? What experiences did you have or would you expect to have on a farm?

Handwriting practice area with five sets of dashed lines on a tan background.

Use the **Farming Experiences** and **How many people does it take to make a glass of milk?** **Learning Sources** to help you complete these learning tasks.



Investigate

Agriculture and dairy farming went through a number of changes from the 1960s onward. One of the biggest changes was the size of farms. This also meant that the number of family farms declined.

What do you think family stories can tell you about ways of life on dairy farms today?

Handwriting practice area with five sets of dashed lines on a tan background.

If you live on or have the opportunity to visit a farm with your family, share examples of experiences and responsibilities with your classmates.

What do you think technology can provide for farming jobs that people cannot?

Four horizontal dashed lines for writing.

What do you think people can provide in farming jobs that technology cannot?

Four horizontal dashed lines for writing.



Search

Dairy Farmers, Deeply Rooted for a Strong Future from the **Dairy Farmers of Canada** shares personal family stories of farming in each of Canada's provinces.

Find these stories at www.dairyfarmers.ca/news-centre/news/policy/dairy-farmers-of-canada-is-proud-to-present-the-book-dairy-farmers-deeply-rooted-for-a-strong-future.

- Choose one family story. Where is this family's farm located? Identify the location on the outline map.



Read the story with a family member or trusted adult. Use a **T-Chart** to make jot notes for each of the questions. Compare your answers with a classmate who read a different story.

<i>Exploring a Family Story</i>	<i>My Ideas</i>	<i>My Classmate's Ideas</i>
How is this family connected to the land and natural resources?		
How does this family farm use technology? Has the use of technology changed for them?		
What skills does this farming family apply to their jobs?		



Investigate

Use the definition of the word “stewardship” below to explain what you think it means to agriculture. Search the internet for examples and definitions of “stewardship in agriculture.”

Stewardship is the careful and responsible management of something that should be cared for.

What example of “stewardship” can you find in a family story?
Explain how this example demonstrates stewardship.

Should “stewardship” be a responsibility for all agricultural jobs?
Why or why not?

Do you think trends toward sustainable farming practices and waste reduction have created new jobs in agriculture? Describe three of these jobs.

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Search

Explore a journey of an agricultural product on **ThinkAG** from Saskatchewan Agriculture in the Classroom at <http://aitc.sk.ca/educational-resources/learn-about-agriculture?platform=hootsuite>.

- Click on each link to find out about the jobs that contribute to the journey of an agricultural product like canola. How do you think this journey would apply to another type of agricultural industry, such as dairy farming? Describe or sketch your ideas.



Access Information to Explore Interests and Possibilities



Make It Personal

What skills do you have that would be a good fit with a career in agriculture?

Use the **Job Board Learning Source** to help you complete these learning tasks.



Search

"Today's farming isn't what it used to be, and probably isn't what you expect. Imagine having the opportunity to work with the latest technology while enjoying working outdoors. If you have an entrepreneurial spirit, and are curious and creative, why not make a real difference in the world; choose a career path in primary agriculture!"

Go to the **Agri Pathways** website at www.cahrc-ccrha.ca/agri-pathways to identify and explore a job that interests you.

You can choose one of two career pathways. Get support from a family member or a trusted adult to go through the information on this website.

- Identify the type of farm you would be interested in finding out about.

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- What are some typical jobs on the type of farm you identified on **Agri-Pathways**?

- Indicate a subject area you enjoy learning. What job areas were identified on **Agri-Pathways**?

- What are some of the job possibilities that Agri-Pathways identified?

- What are two examples of jobs that interested you most? Why did they interest you?

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Investigate

Agriculture today depends on the land and its resources, people and technology.

The land and resources are the basis for agricultural activities.
People produce, transport and distribute agricultural products.
Technology supports the work that people do.

Select a job that you would find in the dairy industry. How would you advertise this job? Plan what should be included in this job's description, including the tasks and responsibilities of the job and the personal interests and skills that are important for it.

Tasks and Responsibilities of the Job	Personal Interests and Skills



Target Learning

	Yes	Sometimes	Not yet
I explore information to identify challenges and solutions.			
I explore possibilities by identifying my interests.			
I build understandings of future opportunities in a work environment.			
I identify challenges that will help me grow.			