



LIVESTOCK 1 2040

Project planning guide

In *AGR2040: Livestock 1*, you are expected to develop practical skills, based on approved practices, for care of livestock. You will develop and apply knowledge of the requirements that ensure humane and safe growing and finishing practices, focusing on basic anatomy and physiology, livestock breeds, physical requirements, environmental influences and living spaces. To help you do this, you must have completed the *AGR3000: Agriculture Safety* course. You must have access to livestock and appropriate animal housing and fencing structures.

As part of the course requirements, you will be expected to complete a final project. You may choose one of the three options described in this guide or develop an idea of your own. You must receive approval from your teacher if you design your own project.

Use the project planning template in this guide to sketch out the basics of your project. That way, you can identify what you can use from the work you complete for the *Virtual Apprentice 2040* learning tasks. You should be able to use some of your learning task work as part of your project.

Option 1

Create a **video** that demonstrates your ability to safely and humanely provide daily care of livestock, highlighting what you think are the **five** most important practices to follow. Demonstrate responsible behaviour by following requirements and recommendations set out in the Code of Practice for the Care and Handling of Beef Cattle or the Code of Practice for the Care and Handling of Sheep.



APPLY YOUR EXPERIENCE

Receive credit for this project by submitting a signed statement from an experienced livestock producer or your teacher that certifies your ability to responsibly, safely and humanely provide a range of tasks involved in livestock production.

In your video, address at least **three** of the following aspects of care:

- How to ensure basic physical needs are met, including feed, water, light, air, ventilation and space
- How to approach or restrain livestock
- How to handle livestock during transport
- What to monitor and do to keep livestock healthy
- How to adjust care for differing weather conditions
- What should be provided for livestock housing or containment.

Use the demonstration checklists, storyboards or videos you completed for the *Virtual Apprentice 2040* learning tasks. As an alternative to the video, you can storyboard the steps you would take to provide responsible care. A Storyboard graphic organizer is provided in many of the inquiry topics on the *Virtual Apprentice 2040* website.



Option 2

Create a **photo collage** that illustrates at least **five** different requirements or recommendations from the Code of Practice for the Care and Handling of Beef Cattle or the Code of Practice for the Care and Handling of Sheep. In your photo collage, ensure that you address the following aspects of responsible and humane care of livestock:

- Feed
- Water
- Housing and containment
- Handling and restraint practices
- Disease prevention

For each photograph in your collage, provide an excerpt from the Code of Practice, along with a statement that explains how you implement the requirement or recommendation with your animal.

Option 3

Add to the **personal profile** you created in the *Virtual Apprentice 1040* and/or *2020* courses, providing information specific to what you have learned about the care and welfare of livestock. Organize your profile to highlight the following new skills:

- How your knowledge of livestock breeds and anatomy helps you provide responsible daily care
- How you adjust daily care to meet different environmental factors and influences, such as weather, water sources or land
- How you identify health risks or factors for livestock.

You may choose the same format you used in *Virtual Apprentice 1040* or *2020* to complete a final project profile, or develop a new format:

- A file folder collage (place personal information on the front cover, a list of your skills and experiences on the back cover and information and examples related to animal care on the inside of the file folder)
- A simple personal web page design
- A series of PowerPoint slides
- A scripted audiotape introduction of yourself and your skills and knowledge.



Each inquiry topic you complete for *Virtual Apprentice 2040* asks you to reflect on your learning. Use these reflections to write a 200-word personal reflection statement. Ensure that your final reflection statement describes how this course has added to, strengthened and expanded your knowledge and skills. Keep the overarching question from the course in mind – **What approved best practices ensure the welfare of livestock?** – and use examples from the learning tasks and information in each inquiry topic to help construct your statement.



Final Project Planning Template

PROJECT GOAL

Keep the goals of *AGR2040: Livestock1* in mind when you write your project goal:

- Address the welfare of livestock and requirements that ensure humane and safe growing and finishing practices
- Apply your previous experience with livestock care and handling to help you demonstrate what you have learned

HOW MY PROJECT WILL DEMONSTRATE MY LEARNING

Jot down the key points that you want to make sure you address for each guiding concept in the course.

Anatomy & Breed

How does knowledge of livestock anatomy & breeds help ensure responsible care?

Production Practices

What requirements guide livestock growing & finishing practices?

Environment & Housing

How do environments & living spaces affect livestock care & handling?

MY PROJECT CONCEPT

Summarize what you are going to do for your final project. Your project must address the overarching question for *AGR2040: Livestock1*.

What approved best practices ensure the welfare of livestock?



Keep track of the learning tasks that you think you can use as part of your final project. Check the tasks you've completed in the **Livestock1 2040 Learning checklist**.

Project Rubric

What approved best practices ensure the welfare of livestock?

Great	Yes	Almost	Not Yet
Independently develops a clear project plan that is appropriate and supports a clearly identified personal or career-centred goal	Independently develops a project plan with an identified purpose that supports a general personal or career-centred goal	Develops, with support, a project plan and identifies personal or career-centred interests	Identifies a purpose for the project but does not yet develop it into a plan
Applies examples and supporting details to illustrate relevant concepts and practices related to the three guiding concepts of livestock production, welfare and health	Uses examples or supporting details to help explain practices related to the three guiding concepts of livestock production, welfare and health	Includes some supporting detail with an explanation of a practice that addresses at least one of the three guiding concepts of livestock production, welfare and health	Identifies topics related to livestock production, welfare and health but does not provide detail or examples
Demonstrates ability to organize, summarize and synthesize information to draw conclusions about livestock production, welfare and health that are based on best practice	Organizes information appropriately to provide conclusions that support best practice in livestock production, welfare and health	Provides information that represents some best practices in livestock production, welfare and health	Provides some information about an animal but does not yet connect this information to best practices in livestock production, welfare and health
Provides evidence of personal growth and application of new knowledge and skills	Provides examples of knowledge gained and skills developed	Personalizes some examples of skills or knowledge gained	Identifies limited examples of knowledge or skills but makes no personal connection to them