



Technology

Students will have the opportunity to:

- Observe and explore tools, technology and structures unique to dairy farming
- Discover the knowledge and expertise needed to be a modern dairy farmer

How Do We Connect?

The Dairy Education Program can be adapted for most grade levels to enhance your programming in the classroom. The following outlines some of the many specific curriculum connections that can be realized by inviting a dairy educator into your classroom. (Please note that other connections are also possible.)

Kindergarten

Various connections to meet outcomes in the strands of *Belonging and Contributing, Self-Regulation and Well-Being, Demonstrating Literacy and Mathematics Behaviours and Problem Solving and Innovating.*

Grade 1

Science: Understanding Matter and Energy- Sources of energy – everyday uses of various sorts of energy
Understanding Structures and Mechanisms
Social Science: The Local Community

Grade 2

Science: Understanding Structures and Mechanisms - Simple Machines

Grade 3

Science: Understanding Structures and Mechanisms – Strong and Stable Structures
Social Studies: Heritage and Identity: Communities in Canada 1780-1850

Grade 4

Science: Understanding Structures and Mechanisms – Pulleys and Gears
Social Studies: Heritage and Identity: Early Societies, 3000 BCE-1500 BCE - Technological developments in ancient and medieval world

Grade 5

Science: Understanding Life Systems – beneficial effects of technology on human body systems

Grade 6

Science: Understanding Matter and Energy – Electricity – how electricity is generated on the farm
Understanding Life Systems – Biodiversity



Technology

Grade 7

Science: Understanding Structures and Mechanisms – Form and Function

Grade 8

Science: Understanding Structures and Mechanisms - Automation

Geography: Global Settlement: Patterns and Sustainability

Grade 9

Science: Physics - Electricity

Technological Education: Environment and Society

Business Studies: Entrepreneurship, Invention, Innovation

Grade 10

Technological Education: Green Industry – basic biology (cattle), factors affecting growth (crops)

Business Studies: Entrepreneurship, Invention, Innovation

Grade 11

Technological Education: Technological Design and Environment

Technological Education: Manufacturing Technology – Engineering – software robots, programming

Transportation Technology

Grade 12

Technological Education: Green Industries, Technological Design

Interdisciplinary Studies: Biotechnology