



# Ontario Dairy Education Program

## How Do We Connect?

The Dairy Education Program can be adapted for most grade levels to enhance programming in the classroom. The following outlines some of the many specific curriculum connections that can be realized by bringing Dairy Education into a classroom.

Targeted curriculum expectations are listed here in their number format. Please refer to <http://www.edu.gov.on.ca/eng/curriculum/elementary/subjects.html> for the complete description of each connection.

Dairy Education is separated into 5 topic areas. Following each curriculum link is a topic number. This indicates the area of the dairy industry best suited to delivering that specific link.

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### DAIRY GOODNESS: MAKING THE MOST OF MILK

Students will have opportunities to:

- recognize milk's role in healthy living by analyzing essential nutrients found in milk
- identify different milk products available and interpret their nutritional information
- explore the use of milk in different cultures

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### CAREERS IN THE DAIRY INDUSTRY

Students will have opportunities to:

- determine who is involved in the milk production food chain
- seriate and classify the people and the jobs involved in the dairy industry
- investigate related career opportunities

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### PROCESSING: FROM MOO TO YOU

Students will have opportunities to:

- investigate how milk is processed into milk and milk products
- identify and discuss the quality and quantity of available milk and milk products
- seriate the process milk follows from the cow to the store

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### DAIRY FARMING

Students will have opportunities to:

- compare and contrast 'early settler' and 'modern' dairy farmers and rural lifestyles
- discover how a cow produces milk and the technology/tools involved
- gain an awareness of where food comes from



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### TECHNOLOGY: MODERN FARMING

Students will have opportunities to:

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

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# KINDERGARTEN

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The following curriculum connections can be met through *any* of our 5 topics:

## **Belonging and Contributing**

The learning relates to the child's early development of the attributes and attitudes that inform citizenship, through his or her sense of personal connectedness to various communities.

1.2, 3.1, 22.1, 25.2, 26.1, 26.2, 28.1, 28.2, 28.3, 29.1, 29.3, 31.1, 31.2

## **Self-Regulation and Well-Being**

In this area, the learning allows children to focus, to learn, to respect themselves and others, and to promote well-being in themselves and others.

1.6, 1.8, 2.2, 2.3, 2.4, 3.2, 6.1, 6.2, 7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 8.4, 8.5, 22.1

## **Demonstrating Literacy and Mathematics Behaviours**

This frame encompasses children's learning with respect to communication and literacy and mathematics behaviours. Children learn to think critically, to understand and respect many different perspectives, and to process various kinds of information.

1.1, 1.2, 1.3, 1.5, 1.6, 1.7, 1.8, 1.9, 1.10, 9.1, 11.1, 11.3, 11.4, 11.5, 11.6, 11.8, 11.9, 12.2, 14.1, 15.1, 15.2, 15.3, 15.7, 15.10, 17.2, 18.1, 18.2, 19.1, 19.2, 21.1, 21.2, 21.3, 22.1

## **Problem Solving and Innovating**

In this area, the learning encompasses problem solving and bringing innovative ideas to relationships with others. Children explore, question and develop critical thinking skills.

1.2, 1.5, 1.6, 1.7, 1.8, 1.9, 1.10, 4.1, 6.1, 6.2, 9.1, 14.2, 14.3, 20.1, 20.2, 20.5, 22.1, 23.1, 23.4

# GRADE 1

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## **Social Studies**

Heritage and Identity: Our Changing Roles and Responsibilities

1.1 *Topics 1 & 3*

1.4 *Topic 1*

2.1 *All Topics*

3.2 *Topic 1 & 3*

3.3 *Topic 1 & 4*

People and Environments: The Local Community

1.1 *Topic 1 & 3*

1.2 *Topic 3*

1.3 *Topic 1 & 3*

2.2 *Topic 1, 4 & 5*

2.3 *Topic 1 & 3*

2.4, 3.1, 3.2 *Topic 1*

3.3 *All Topics*

3.4, 3.6 *Topic 1*

## **Health and Physical Education**

Healthy Living

C1.1, C2.1, 2.2, C3.2 *Topic 2*

## **Science and Technology**

Understanding Life Systems

1.1, 1.2, 2.2, 2.3, 3.2, 3.4, 3.6 *Topic 1*

Understanding Structures and Mechanisms

2.2, 3.6 *Topic 1 & 4*

Understanding Matter and Energy

2.2, 2.6, 3.2, 3.3, 3.4, 3.5 *Topic 1*



# GRADE 2

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## Social Studies

People and Environments: Global Communities

B1.1, 1.2, 1.3 *Topic 1*

B2.2, 2.3, 2.4, 2.5 *Topic 1*

B3.6, 3.7, 3.8 *Topic 1*

## Health and Physical Education

Healthy Living

C1.1 *Topic 2*

C2.1, 2.2 *Topic 2*

C3.2 *Topic 2*

## Science and Technology

Understanding Life Systems

1.1 *Topic 1*

1.2 *Topic 5*

2.3, 2.4, 3.1, 3.3 *Topic 1*

Understanding Matter and Energy

1.2, 2.2, 2.3, 2.6, 3.1, 3.2, 3.3, 3.5 *Topic 4*

Understanding Earth and Space Systems

3.3 *Topic 1*

# GRADE 3

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## Social Studies

Heritage and Identity: Communities in Canada 1780-1850

A1.1, 1.2, 1.3 *Topic 1*

A3.2, 3.3, 3.4, 3.5, 3.6 *Topic 1*

People and Environments: Living and Working in Ontario

B1.1, 1.2, 1.3 *Topic 1*

B2.1, 2.4, 2.5 *Topic 1*

B3.4, 3.5, 3.6 *Topic 1 & 3*

## Health and Physical Education

Healthy Living

C1.1 *Topic 2*

C2.1 *Topic 2*

C3.1 *Topic 2 & 4*

## Science and Technology

Understanding Life Systems

3.6, 3.7 *Topic 1*

Understanding Structures and Mechanisms

1.1 *Topic 1 & 5*

Understanding Earth and Space Systems

2.4 *Topic 1 & 5*

# GRADE 4

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## Social Studies

Heritage and Identity: Early Societies, 3000 BCE-1500 CE

A1.1, 1.2, 1.3, 1.4 *Topic 1*

A3.4, 3.5, 3.6 *Topic 1*

## Health and Physical Education

Healthy Living

C1.1, C2.1, C3.1 *Topic 2*

## Science and Technology

Understanding Life Systems

1.1, 2.2, 3.1, 3.4, 3.5, 3.6 *Topic 1*

Understanding Matter and Energy

1.2 *Topic 5*



# GRADE 5

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## **Social Studies**

Heritage and Identity: First Nations and Europeans in New France and Early Canada  
3.2, 3.6 *Topic 1 & 4*

## **Health and Physical Education**

Healthy Living  
C2.1, C3.1 *Topic 2*

## **Science and Technology**

Understanding Life Systems  
1.1, 3.1 *Topic 1 & 5*

3.3 *Topic 2*

Understanding Structures and Mechanisms  
3.1 *Topic 1*

Understanding Matter and Energy  
1.1, 1.2, 3.1, 3.2, 3.3, 3.4, 3.5, 3.7, 3.8 *Topic 4*

Understanding Earth and Space Systems  
3.1 *Topic 1*

# GRADE 6

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## **Social Studies**

Heritage and Identity: Communities in Canada, Past and Present  
A1.1 *Topic 1 & 4*

People and Environments: Canada's Interactions with the Global Community  
B2.1, 2.2 *Topic 5*

## **Health and Physical Education**

Healthy Living  
C2.1, 2.2 *Topic 2*  
C3.1 *Topic 2*

## **Science and Technology**

Understanding Life Systems  
1.2, 3.2, 3.3, 3.6 *Topics 1, 4 & 5*

Understanding Matter and Energy  
1.1, 1.2 *Topic 1*

# GRADE 7

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## **Health and Physical Education**

Healthy Living  
C2.1, 2.3, C3.1 *Topic 2*

# GRADE 8

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## **Health and Physical Education**

Healthy Living  
C1.1, C2.1, C3.1 *Topic*