



# Agri-Trekking Across Ontario, Grade 7 & 8

## Introduction

### For Teachers

#### Welcome to Agri-Trekking for Grades 7-8!

Agri-Trekking will allow you to explore local food and farming practices in your classroom. Through this interactive website, students can take a virtual journey through Ontario's counties, discovering different types of farms and food produced in our own backyard. Students will also discover information about farm initiatives that endeavor to keep our food supply and environment healthy. Quizzes and mini games throughout the website are a quick and fun way for students to apply and test their learning. This engaging website is a great resource for Geography, Science, Mathematics, and Health subjects. You can also take advantage of curriculum-linked lesson plans and guiding resources to accompany Agri-Trekking. Whether you lead and guide your class through the website, or allow them to self-direct, your students are bound to learn and enjoy as they trek through Ontario's agricultural landscape!

#### Agri-trekking Features:

Agri-Trekking Across Ontario Grades 7-8 consists of the following features:

- **Map of Ontario:** Click on the county to reveal a county profile. Profiles feature information about the county's physical features, local food, and commodities produced.
- **Farm Types:** Explore 5 common types of farms found in Ontario; beef, dairy, greenhouse, grain, and vegetable.
- **Farm Initiatives:** Learn about 9 initiatives farmers use to make their farm efficient and sustainable.
- **Quizzes:** Select the correct initiatives used on each type of farm to unlock a mini-game.
- **Mini-Games:** Play through a short mini game as a reward.

\*Note: Agri-Trekking features can be explored in any order, however, the Farm Types and Farm Initiatives sections are designed to be explored before completing the quizzes and unlocking the mini-games.

#### Agri-Trekking Teacher Resources:

Agri-Trekking Across Ontario Grades 7-8 can be explored through student self-directed learning or as a more structured resource guided by the teacher. To provide the best learning opportunity possible, the following resources have been developed to accompany Agri-Trekking Across Ontario Grades 7-8 and are available to download for free at <https://agscape.ca/agritrekking2>.

#### Curriculum Connections:

Agri-Trekking connects with curriculum expectations in Grades 7 and 8: History and Geography, Science, Health and Physical Education, and Mathematics. For a list of the key overall and specific expectations, see the *Curriculum Connections* resource for teachers.

#### Lesson Plans:

You may work freely through the resources, or use any of the five free lesson plans in no particular order, to guide and structure student learning.

## Guiding Questions:

Guiding questions will help you to engage your students in insightful discussions. Look for the *Guiding Questions* resource for teachers.

## Discussion Wheel:

The *Discussion Wheel* resource for teachers provides questions that will prompt students to reflect on, and discuss their learning. This resource can be played as a game using a spinner or pair of dice.

## Quiz Answer Key:

Students can take a quiz to match farm types with the appropriate initiatives that would be used on that farm and unlock a mini-game as a reward. Students will have multiple attempts to answer the quiz correctly. Below is an answer key outlining the correct initiatives for each farm type.

### Greenhouse Quiz

- Irrigation Systems
- Integrated Pest Management
- Water Recycling
- Soil Sampling
- Anaerobic Digestion Systems

### Dairy Barn Quiz

- Robotic Milking
- Water Recirculation
- Manure Management
- Floodplain Management
- Anaerobic Digestion Systems

### Beef Farm Quiz

- Manure Management
- Floodplain Management
- Anaerobic Digestion Systems

### Grain Farm Quiz

- Integrated Pest Management
- Precision Agriculture
- Floodplain Management
- Soil Management
- Irrigation Systems

### Vegetable Farm Quiz

- Irrigation Systems
- Integrated Pest Management
- Soil Management
- Floodplain management

You are ready to start your trek across Ontario and discover a world of agriculture and food in your own backyard! For more resources on agriculture, food, and environment, visit [agscape.ca](http://agscape.ca).