

# A Note to Teachers

This lesson taps into students' critical thinking skills and has them consider the benefits of locally sourced ingredients for their pizza business.

In this lesson students will:

- Consider where our food comes from
- Reconstruct the journey of foods we'll use to make a pizza including grains for the crust, and pineapple
- Think about food origins and its impact on their pizza businesses
- Learn that wheat, used to make flour, is grown right here in Ontario!

**Time:** Approximately 60 minutes.

## OPTIONS:

- If your class chose the grain **planting** activity, this is a great time to make an **observation** and see how their crops are doing
- There is a MicroBit [Coding Connection](#) on the [last slide](#) to coding a sunlight sensor to discuss the importance of sunlight for plants
- There is a Grain Farmer [Career Connection](#) on [slide 17](#)
- If your grocery store or garden centre is selling fresh herbs, consider introducing them to your class as a potential ingredient for the pizzas



# Expectations



## **Science - Earth and Space Systems**

E1.1 Students analyze the long-term impacts of human uses of energy and natural resources, including climate change, and suggest ways to mitigate these impacts.

## **Human Health and Body Systems**

B1.3 explain how food literacy can support decisions that affect physical and mental health

## **Environmental Education**

The Ontario curriculum emphasizes the importance of understanding the relationship between people and the natural world.

## **Agriculture/Agri-Food Theme**

- Many of the foods used to make pizza, including grains, are grown right here in Ontario!



# Stage 4 Lesson 1: Food Origins



# Learning Goals



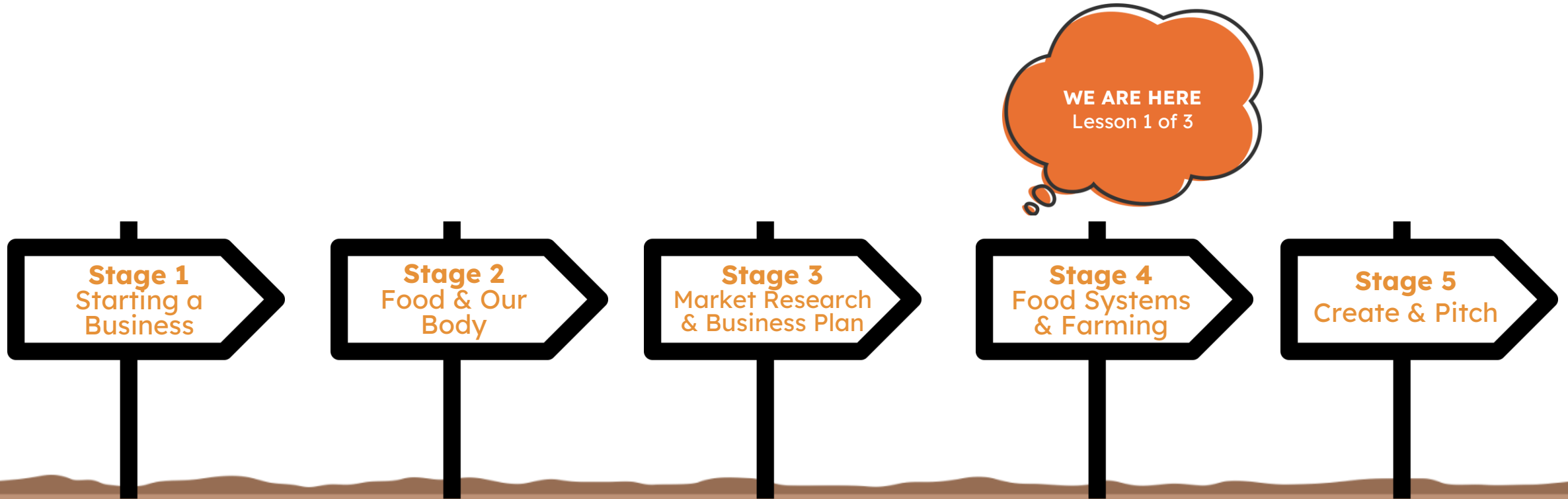
We will...

- Investigate where our pizza ingredients come from and which are grown in Ontario
- Consider the benefits of using ingredients that can be found locally (and seasonally, when available).



# Business Connection

How will this learning help our business?



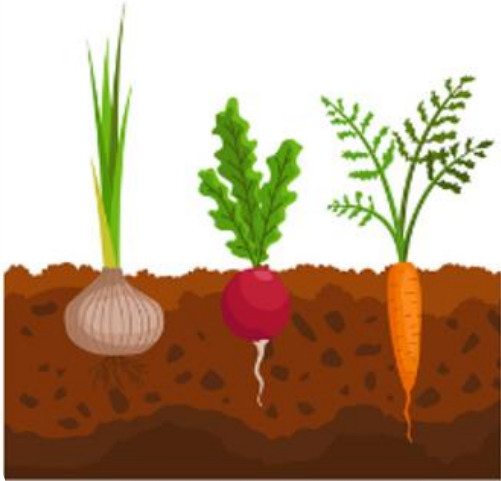
# Minds ON!



Animals



Trees



Underground



Fields

Did you  
know... pizza  
actually  
grows on  
farms?

# Where was it grown?

Predict the distance from Ontario each of these pizza ingredients was grown?

| Food        | Distance travelled |
|-------------|--------------------|
| Olives      | <div></div>        |
| Wheat       | <div></div>        |
| Pineapple   | <div></div>        |
| Bell Pepper | <div></div>        |



# Journey of our Ingredients





# Farm to Table - Wheat

How does wheat get from growing in an Ontario field to your pizza crust? Watch [this!](#)



**Did you know...**  
the perfect pizza  
dough is made  
with Ontario  
winter wheat that  
is grown through  
winter into spring.

# Farm to Table - Pineapple

How does it compare to pineapple? Watch [this!](#)



**Did you know...**  
pineapple on pizza  
was created in  
Ontario in 1962 when  
Sam Panopoulos  
invented the  
Hawaiian Pizza.

# Pizza Ingredients - Map it!



Where do your pizza ingredients come from?

# Our Pizza Ingredients

What factors might we consider when deciding on our pizza ingredients?

| Nutritional | Financial | Environmental |
|-------------|-----------|---------------|
|             |           |               |

# Wrap Up

Is it important to consider  
where our ingredients are  
produced? Why?





# EXTENSION:

How are our ingredients growing?

If your class is growing the Good in Every Grain seeds, it's a great time to check on them.

**What do you notice?**

**What do you wonder?**



# Check In – What's Next?







# Career Connections



# Grain Farmer



## Grain Farmers Grow:

- a. food for people
- b. feed for animals
- c. fuel for vehicles
- d. all of the above

**Bonus video:**  
**What does an agronomist do?**





# Coding Connections





# Sunlight Sensor

Why is sunlight important for plants and crops?

You will create a conditional / “if... else” statement to show the sun image only if the light level is greater than (>) a certain level.

1. Go to MakeCode at [makecode.microbit.org](https://makecode.microbit.org)
2. Press the blue button to create a New Project
3. Follow the steps to code light levels
4. modify your code

