



# Virtual Field Trip

## Introduction

Thank you for your interest in the *Kids Growing with Grains Virtual Field Trip*. In each section, you will find two to three lessons to assign your students. You can choose any of the lessons. You do not need to do them in any particular order or use all of the lessons. Please pick those lessons that are best for you and your students.

### Each lesson has:

- a 5 to 15 minute video;
- an accompanying student page available as a google doc, word doc, or PDF.

### Each section has:

- family engagement pages.

You will find an accompanying pre-workbook for your students in “Additional Resources” at the end of this guide.

If you have any questions or need any assistance, please contact Kelly Nichols, UME Ag Educator, at: [kellyn@umd.edu](mailto:kellyn@umd.edu)

**Virtual Field Trip Slideshow Available** ([Google Slides](#), [PDF](#))- This virtual slideshow (available via Google slides) is a ready-to-use option for your students. Thank you to Ms. Holcomb, 3rd Grade Teacher at Hillcrest Elementary, for her work on the design of this slideshow. Students will need to start the slideshow for the links to work.

# Grain Science

## 1. Corn's Amazing Uses

Learn the different types of corn and how corn is used for a variety of purposes.

Field Trip Video: <https://go.umd.edu/CornsAmazingUsesVideo>

Student Worksheet: [Google Doc](#), [Word Doc](#), [PDF](#)  
[Answer Key](#)



## 2. What's in a Seed?

Learn grain anatomy and what grains need to germinate and become plants.

Field Trip Video: <https://go.umd.edu/WhatsInASeedVideo>

Student Worksheet: [Google Doc](#), [Word Doc](#), [PDF](#)

Supplementary Student Worksheets (PDFs):

[Corn Dissection Student Page](#)

[Edamame Dissection Page](#)

Aligned Standard: CCSS.ELA-LITERACY.W.3.8

## Family Engagement Pages (PDFs)

[What's so Great About Seeds? - English](#)

[What's so Great About Seeds? - Spanish](#)

# Grains and Nutrition

## 1. What's in a Grain?

Learn the different parts of the grain and why eating whole grains is healthy. Watch how grains are ground into flour.

Field Trip Video: <https://go.umd.edu/WhatsInAGrainVideo>

Student Worksheet: [Google Doc](#), [Word Doc](#), [PDF](#)

Aligned Standards: CCSS.ELA-LITERACY.W.3.1

CCSS.ELA-LITERACY.RI.3.4

[Answer Key](#)



## 2. Whole Grain Foods

Learn the variety of foods that contain whole grains and go on a whole grains scavenger hunt in your house.

Field Trip Video: <https://go.umd.edu/WholeGrainFoodsVideo>

Student Worksheet: [Google Doc](#), [Word Doc](#), [PDF](#)

### **3. Make-It-Myself Pizza**

Learn the benefits of eating whole grains and how to make a mini whole-grain pizza.

Field Trip Video: <https://go.umd.edu/MakeItMyselfPizzaVideo>

Student Worksheet: [Google Doc](#), [Word Doc](#), [PDF](#)

Aligned Standard: CCSS.MATH.CONTENT.3.MD.A.2

### **Family Engagement Pages (PDF)**

[Make it Myself Pizza - English](#)

[Make it Myself Pizza - Spanish](#)

## **Grains and the Environment**

### **1. Activity 1: Digging into Soil**

Learn about soil composition and its role in plant growth.

Field Trip Video: <https://go.umd.edu/DiggingIntoSoilVideo>

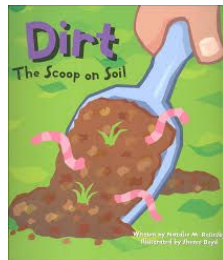
Student Worksheet: [Google Doc](#), [Word Doc](#), [PDF](#)

Aligned Standard: CCSS.ELA-LITERACY.W.3.7

[Answer Key](#)



Literature Connection:



*Dirt: The Scoop On Soils* by Natalie Myra Rosinsky

Interactive reading available at:

<https://www.mycapstonelibrary.com/login/index.html>

username: umdfsne

password: nutrition

### **2. Soils and Watersheds**

Learn about watersheds and how ground surface type affects our water quality. Use the scientific method to predict what will happen.

Field Trip Video: <https://go.umd.edu/SoilsAndWatershedsVideo>

Student Worksheet: [Google Doc](#), [Word Doc](#), [PDF](#)

Aligned Standard: CCSS.ELA-LITERACY.W.3.4

### **Family Engagement Pages (PDF)**

[Soil Salad - English](#)

[Soil Salad - Spanish](#)

# Grains and Animals

## 1. Chickens on the Farm

Learn how chickens live on the farm, what they eat, and get to meet a live chicken!

Field Trip Video: <https://go.umd.edu/ChickensOnTheFarmVideo>

Student Worksheet: [Google Doc](#), [Word Doc](#), [PDF](#)

Aligned Standards: CCSS.ELA-LITERACY.W.3.8  
CCSS.ELA-LITERACY.RI.3.4

[Answer Key](#)



## 2. Poultry Products

Learn how people use chickens and their eggs for a variety of purposes.

Field Trip Video: <https://go.umd.edu/PoultryProductsVideo>

Student Worksheet: [Google Doc](#), [Word Doc](#), [PDF](#)

[Answer Key](#)

## 3. EGGstraordinary Eggs

Learn the parts of an egg and the role of each part in the chick's development.

Field Trip Video: <https://go.umd.edu/EGGstraordinaryEggsVideo>

Student Worksheet: [Google Doc](#), [Word Doc](#), [PDF](#)

Aligned Standards: CCSS.ELA-LITERACY.W.3.8  
CCSS.ELA-LITERACY.RI.3.4

[Answer Key](#)

## Family Engagement Pages (PDF)

[Eggs Mexicali - English](#)

[Eggs Mexicali - Spanish](#)

# Additional Resources

[Pre-Field Trip Student Workbook \(PDF\)](#)