



Course Name	Corn and Agriculture
Grade Level	2-3
Lesson Author	Jennifer Kesler, Stockton Grade School

Unit Title	Kansas Corn
Lesson Title	Exploring the field of agriculture with corn
Suggested Lesson Time	Dependent on lesson plan style (see below)
Lesson Objectives	<ul style="list-style-type: none"> The students will explore, grow, and experience Kansas corn and tour a local farm to gain full understanding of the agriculture process.

Instructor Preparation	
References:	Kansas Corn Stem website and materials (kansascornstem.com)
Instructional Media:	https://kscorn.com/corncareers/
	<ul style="list-style-type: none"> Apply for the materials at Kansas Corn STEM online site (journals, corn seed, planters, soil, etc.) See photo of materials in lesson plan
Equipment and Tools	
	<ul style="list-style-type: none"> Teacher computer to display the career videos and other videos from the site and a smart board Students will need iPads to take photos
Materials	
	<ul style="list-style-type: none"> Student corn journal, pencil, paper, soil, water, ruler, corn seed, spray bottle for watering corn



Student Preparation**Assignments**

- Students work like scientists to test their ideas about what plants need to grow and live by using corn plants as model organisms. Students test growing conditions, such as amounts of water and sunlight. Consider whether you want to have students grow corn from seeds or if you want to have seedlings already sprouted. If you choose the latter, you will need to plant and grow the corn about two weeks in advance.



Introduction

How does corn grow? Using a sticky note, write down how you think corn grows? Gather all ideas in one place. Take a minute to talk with a table buddy to compare and contrast ideas. Come back together and share all ideas from the sticky notes.

Ask questions: What do you want to know more about? Have you ever planted a seed and watched something grow? What happened?

We will be exploring corn for the next few weeks using free Kansas Corn STEM resources. After we study about how to grow corn, we will talk about careers in agriculture and finalize our learning with a field trip to a local farm.



Information Presentation	
<i>Information</i>	<i>Key Points</i>
<p>Quick Links</p> <p><u>How Does it Grow? Lesson</u></p> <p><u>DOWNLOAD LESSON</u></p> <p><u>Parts of a Corn Plant</u></p> <p><u>WATCH VIDEO</u></p> <p><u>Parts of a Corn Plant Quiz</u></p> <p><u>WATCH VIDEO</u></p> <p><u>Lesson 1 Google Slides</u></p> <p><u>GOOGLE SLIDES</u></p> <p><u>Lesson 2- Part 1 Google Slides</u></p> <p><u>GOOGLE SLIDES</u></p> <p><u>Lesson 2- Part 2 Google Slides</u></p> <p><u>GOOGLE SLIDES</u></p> <p><u>Lesson 3- Google Slides</u></p> <p><u>GOOGLE SLIDES</u></p> <p><u>"We Grow Corn" Activity Guide</u></p> <p><u>SIX ADDITIONAL ACTIVITIES TO GO WITH BOOK.</u></p> <p><u>Guest Speaker</u></p> <p><u>REQUEST GUEST SPEAKER</u></p> <p><u>Mystery of Corn Reader</u></p> <p><u>SUBSCRIBE TO RECEIVE ONE COPY PER STUDENT.</u></p> <p><u>Breakout Box Challenges</u></p> <p><u>BREAKOUT BOX LIST OF ACTIVITIES</u></p>	<ul style="list-style-type: none"> ● Make sure students are provided with videos of Cool Careers within agriculture. To make a farm operation work, many people with special skills are needed. Provide students with agronomist video. ● <u>https://hirepaths.com/cool-careers-videos/agronomist</u>



Summary

Students will connect what they learned from the corn resources, hands on experiment, career exploration, and their time at the local farm operation. They will be able to summarize how corn impacts agriculture and why it is important.

Student Activities

Students will record findings from growing their own corn plant

Students will explore one career area in agriculture

Students will tour a local farm and ride in the combine and grain cart while harvesting in real time

Student Assessment

The students will design a poster of the corn process that includes planting and growing through the end of the process with harvesting, along with a career connection. Students can draw using pictures, create a timeline, etc.

