



Virtual Programming Lead Teacher Guide 2020-2021



*Planting Knowledge &
Cultivating the Future*



Georgia Museum
of Agriculture

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How to Use This Guide

Welcome to Destination Ag's (DA) living classroom! We are excited you and your students can join us for a virtual program. This guide is here to assist you! We understand that implementing outside programming is not an easy task and we want to make the processes as smooth as possible. The goal is for all participants to have a clear understanding and realistic expectations for the field trip.

If you have not already, don't forget to register your program [online](#). Dates may book quickly!



A Little About Us

In 2016, the Harley Langdale, Jr. Foundation and the GMA partnered together for a common goal: to increase children's connection between their daily lives and agriculture and natural resources. The generous contribution of the Harley Langdale, Jr. Foundation provided support for the creation of Destination Ag.

Destination Ag is currently offering programming at no cost to public school children in grades pre-k through fifth in twelve school districts (Ben Hill, Berrien, Brooks, Colquitt, Cook, Echols, Irwin, Lowndes, Tift, Turner, Valdosta City, and Worth). Programming is available to schools outside the target districts at a reasonable rate.

Lead Teacher Responsibilities

You play a vital role in Destination Ag! As lead teacher, it is your responsibility to assist in communication between ABAC's Georgia Museum of Agriculture and your teachers. Throughout the weeks prior to your program, you will receive further information to share with other teachers from your school who are participating in the program. Lead teacher responsibilities include:

- ◆ Sharing relevant information with all teachers, including policies.
- ◆ Communicate with the Museum staff to provide total student numbers and payment (if applicable).

Virtual, Guided Live Stream Details

- ◆ Each lesson is 20 to 30-minutes (grade dependent) with time available for questions.
- ◆ Available for up to four classrooms at one time.
- ◆ Depending upon availability, teachers may choose the program time.
- ◆ Groups can select **one** of the lessons listed on page 4 or page 5.
- ◆ Virtual lessons are provided using Google Meet.
- ◆ One week prior to programming, a Google Meet link will be provided to the lead teacher.
- ◆ Online, virtual students will be able to log in as individual students; while face-to-face classrooms login as one class.
- ◆ Destination Ag staff recommends logging into the meeting five minutes before the scheduled program time.
- ◆ Recording of Destination Ag virtual programs is prohibited.
- ◆ Lessons are adapted for grade level to ensure state educational standards are addressed (pages 6 and 7).
- ◆ Destination Ag staff will email worksheets and additional resources for your selected program(s) prior to your scheduled date.
- ◆ Visit our [website](#) for resources to help implement the field trip into your classroom! Book lists and vocabulary lists are available to download.
- ◆ Price: \$45 per lesson for up to four classrooms. *Fee only applies to schools outside the target region (districts listed on page 2).*

Program Tip: Provide your cell phone number to Museum staff in case there are technical difficulties the day of programming!



Guided Live Stream Field Trips Available

Pre-K - 1st (20-minute lessons)

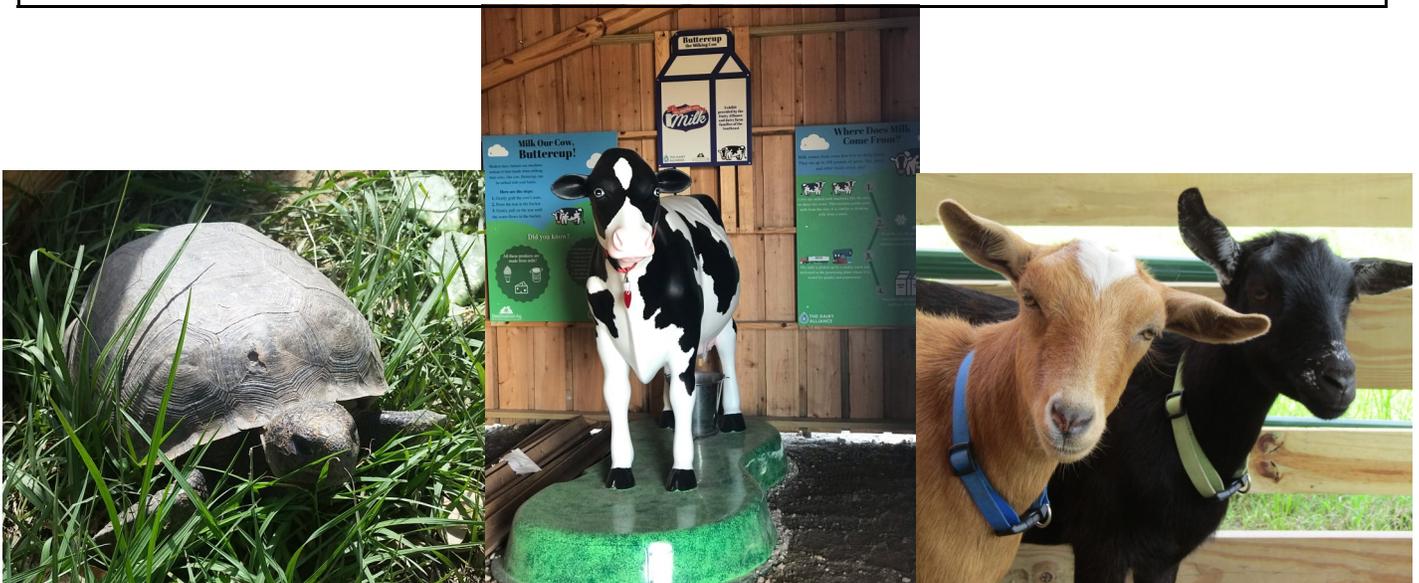
Agriculture & Natural Resources Careers: The career lesson will enable students to define agriculture, describe the roles and responsibilities of two careers, and experience demonstrations of career activities. For the 2020-2021 school year, the two feature careers are livestock veterinarian and fertilizer technician. In the livestock vet lesson, students will learn the tools that vets use as well as the procedure for haltering a large animal. In the fertilizer technician lesson, students will learn how fertilizer helps plants, how technicians mix it with a recipe, and how push and pull forces help technicians spread the fertilizer on crops.

Animal Analyses: Students will meet two different animals (animals vary by day and season) and learn the many ways in which they are similar and different. Examples include learning about how animals change as they grow, what they eat, and fun facts about their anatomy. This program addresses the following Georgia Standards of Excellence: CD-SC3, SKL2, SKL1, S1L1.

Meet the Sheep: Students get to meet Destination Ag's sheep and learn about the needs they have as animals. The wool industry is discussed as students learn about how wool is processed and the various products that the industry provides to humans. This program addresses the following Georgia Standards of Excellence: CD-SC3.4a, SKL2, SSKE3, S1L1.b.

Cool Crops and Crawling Critters: Students discover how the vast variety of items they use every day are products from crops grown in Georgia. They also learn how plants are aided by the critters in the soil that help provide the nutrients they need to grow. This program addresses the following Georgia Standards of Excellence: CD-SD3, SKL2, S1L1, ELAGSE1W8.

Farm to Fridge: The process of how food starts at a farm and ends up in our refrigerator is the main topic of discussion in this lesson. Focusing on the cattle industry, students explore the various products produced as well as how important the process of buying/selling is to the industry. This program addresses the following Georgia Standards of Excellence: CD-SC3, SSKE2, SSKE3, SS1K1, SS1K3.



2nd - 5th (30-minute lessons)

Agriculture & Natural Resources Careers: The career lesson will enable students to define agriculture, describe the roles and responsibilities of two careers, and experience demonstrations of career activities. For the 2020-2021 school year, the two feature careers are livestock veterinarian and fertilizer technician. In the livestock vet lesson, students will learn the tools that vets use as well as the procedure for haltering a large animal. In the fertilizer technician lesson, students will learn how fertilizer helps plants, how technicians mix it with a recipe, and how push and pull forces help technicians spread the fertilizer on crops.

Aquaponics: Students will view a functioning aquaponics system featuring catfish and leafy green vegetables and discover how this symbiotic relationship is an ecosystem in itself. Lifecycles and food webs will be explored while math skills will be put to the test as students calculate the different parameters of the aquaponics system. This program addresses the following Georgia Standards of Excellence: S2L1, MGSE2.MD.1, MGSE2.MD.2, MGSE2.MD.3, MGSE2.MD.4, S3L1, MGSE3.MD.2, S4L1, MGSE4.OA.2, ELAGSE4RI7, SFCS2, S4CS3, MGSE4.NF.7, S5L4, MGSE5.NF.6.

Georgia Georegions: Students explore Georgia's geographic regions and discuss differences in agriculture, plants, and animals. A highlight of the session is meeting a live 'region-specific' animal and discussing its adaptations for survival. Students will come away with an understanding of how many products used daily do not originate from their own region. This program addresses the following Georgia Standards of Excellence: SS2G1, S3L1, S5L1, S4L1.

Let's Bee Pollinators: Explore the world of pollinators and learn about their vital importance in agriculture. Students glimpse into the lives of a popular pollinator, the honeybee, and learn about their life cycle. A virtual walk through the Museum's pollinator garden may allow students an opportunity to see a pollinator in action! This program addresses the following Georgia Standards of Excellence: S2L1, S3L1, S4L1, S5L4.

Swept Away: Students will learn how weather, specifically water and wind, will cause changes to the environment. Students will observe wind and water erosion using an erosion simulation table. Through this lesson, students will define erosion, understand the effects of weather on erosion, and explore how erosion can be reduced. This program addresses the following Georgia Standards of Excellence: S2E3, S3E1, S4E3, S5E1.



State Standards

Destination Ag programming targets GELDs and the Georgia's Standards of Excellence (GSE). Below detail the standards that your students will explore during their program.

Pre-K

Lesson	Standards
Animal Analyses	CD-SC3
Meet the Sheep	CD-SC3.4a
Cool Crops and Crawling Critters	CD-SD3
Farm to Fridge	CD-SC3, CD-SS4

K

Lesson	Standards
Animal Analyses	SKL2, SKL1
Meet the Sheep	SKL2, SSKE3
Cool Crops and Crawling Critters	SKL2
Farm to Fridge	SSKE2, SSKE3

1st

Lesson	Standards
Animal Analyses	S1L1
Meet the Sheep	S1L1b
Cool Crops and Crawling Critters	S1L1, ELAGSE1W8
Farm to Fridge	SS1K1, SS1K3

2nd

Lesson	Standards
Aquaponics	S2L1, MGSE2.MD.1, MGSE2.MD.2, MGSE2.MD.3, MGSE2.MD.4
Georgia Georegions	SS2G1
Let's Bee Pollinators	S2L1
Swept Away	S2E3

3rd

Lesson	Standards
Aquaponics	S3L1, MGSE3.MD.2
Georgia Georegions	S3L1
Let's Bee Pollinators	S3L1
Swept Away	S3E1

4th

Lesson	Standards
Aquaponics	S4L1, MGSE4.OA.2, ELAGSE4RI7, S4CS2, S4CS3, MGSE4.NF.7
Georgia Georegions	S4L1
Let's Bee Pollinators	S4L1
Swept Away	S4E3

5th

Lesson	Standards
Aquaponics	S5L4, MGSE5.NF.6
Georgia Georegions	S5L1
Let's Bee Pollinators	S5L4
Swept Away	S5E1



Art & Writing Contest

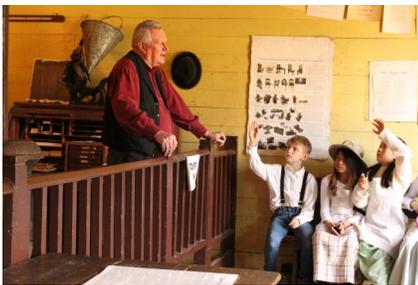
- ◆ Participating Destination Ag students from public schools in Ben Hill, Berrien, Brooks, Colquitt, Cook, Echols, Irwin, Lowndes, Tift, Turner, Valdosta City, Worth are encouraged to enter the Museum's agriculture and natural resource art and writing contest.
- ◆ The purpose is for students to communicate the value of agriculture and natural resources in their daily lives through illustrations and writings.
- ◆ For each participating county, one student winner will be awarded per grade bracket along with his/her teacher. Grade brackets are PreK through first grade, second grade through third grade, and fourth grade through fifth grade. Student winners are awarded a \$100 gift card and teachers are awarded \$500.
- ◆ Teachers will receive entry forms during the Destination Ag programming. Each teacher is allowed one student entry.
- ◆ All entries will become property of the GMA to use, produce, or transfer rights as its sole discretion.

Program Tip: Don't wait until the last minute to enter!
Deadline for all grades: April 30, 2021



Interested in History?

Would you like to visit a one-room schoolhouse or see a gristmill in action? The GMA offers field trips which allows schools to explore the Historic Village. Visit our website, <https://gma.abac.edu/education/historic-field-trips/> to learn more about historic programs offered by the GMA.



Free Teaching Resources

Destination Ag offers provides multi-discipline, free resources to help teachers integrate agriculture education into their classroom!

Family Farm Book Series

These literary resources are written for elementary-level readers providing an entertaining and unique look into Georgia's agriculture industry. Students gain a deeper connection to where their daily food and fiber products come from. Currently, Destination Ag offers "[Our Family's Tree Farm](#)" and "[My Family's Peach Farm](#)." Books are available at no cost in a downloadable PDF, and as printed copies shipped to educators. To order printed copies, complete the [Family Farm Book Order Form](#).

Visit the [Family Farm Book Resources](#) to download free lessons which incorporate math, ELA, and social studies. "Our Family's Tree Farm" lessons are designed for third and fourth grades while lessons for "My Family's Peach Farm" is geared for third through fifth grades. All lessons address Georgia education standards to assist with incorporating these resources into classrooms.



Traveling Trunks

As part of the Destination Ag and Georgia Farm Bureau partnership, Traveling Trunks were developed to teach children throughout the state of Georgia about agriculture and natural resources. Traveling Trunks provide a hands-on experience to engage students in a grade-specific & standards-linked interactive lesson. Two trunks are currently available, All About Trees and All About Peanuts, which include lesson plans, teaching materials, and even a literary component!

Both trunks are housed in each of the 10 regions of the Georgia Farm Bureau. Teachers may check out the trunks and present the provided lessons at no cost!

Contact your [local Farm Bureau office](#) to check out a trunk near you.

All About Trees



All About Peanuts



Contact Us

Booking programs, changing numbers, payment

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Programming, assessment

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