



Georgia Museum
of Agriculture



Lesson Summaries

The following summaries describe the current lessons being taught in the Destination Ag program. As the program continues to develop, changes and updates to curriculum will occur.

Pre-K

Plant Needs: Through this class, students will be able to understand what a plant is, to describe the basic needs of plants, and to list daily products which are derived from plants. Activities include a scavenger hunt and soil exploration.

Correlating Standards: CD-SC14a; CD-SC3.4a



Farm to Fridge: Students begin to understand how we use cattle in our daily lives by exploring the process of milk production. Activities include milking a fiberglass cow and acting out the milk production process.

Correlating Standards: CD-SC34a; CD-SS4.4b;
CD-SS4.4c





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Kindergarten

Living vs Non-Living: Students will be able to differentiate between living and non-living things found in an ecosystem and how these components are necessary for the survival of an ecosystem. Student instructors guide the students through steps for building an ecosystem model composed of both living and non-living items.

Correlating Standards: SKL1



Fur or Feathers: Through this class, students learn the characteristics of a mammal (pig-tentative) and a bird (chicken). Students will be able to communicate the difference and similarities between mammals and birds. After attending this class, students will be able to communicate how we use different animals, birds and mammals, in agriculture.

Correlating Standards: SKL2, SKL2.a



1st Grade

All About Corn: Students will be able to identify the basic needs of a plant (air, water, light, and nutrients) and the parts of a plant (root, stem, leaf, and flowers). Students will have the opportunity plant their own corn seed. After attending this class, students will be able to identify products made from corn that we use in our everyday lives.

Correlating Standards: S1L1.a, S1L1.b



Meet the Sheep: Students will see and experience specific steps in the processing of wool into yarn. By meeting the Museum's sheep, students will understand animal needs and how the products that we use in our everyday lives are connected to farm animals.

Correlating Standards: S1L1, S1L1.b





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2nd Grade

Swept Away: Students will learn how weather, specifically wind and water, causes change to the environment. Students will demonstrate wind erosion and explore water erosion through the use of an erosion simulation table. After attending this class, students will understand the effects of weather and the effects of it found in their daily lives.

Correlating Standards: S2E3

Let's Bee Pollinators: Students will learn about the importance of pollinators in agriculture. Through hands-on activities, students will be able to become pollinators. After this class, students will know the life cycle of honeybees, as living organisms, and understand the importance of pollinators in agriculture.

Correlating Standards: S2L1.a, S2L1.c



3rd Grade

Georgia Georegions: Through this class, students will identify plants and animals that live throughout the state and in our environment. Students will discover plant and animal adaptations that help specific species thrive in their area of growth. Through hands on interactions, we plan to offer native plant and animal species for the students to identify. Agriculture differences between the regions in crops and animals raised will also be discussed, focusing on how daily products that students use may not originate from this region.

Correlating Standards: S3L1



It Comes from Trees?: This class allows students to learn about the forest industry and focus on the types of products produced. The students will explore how trees provide clean water and air, will understand sustainable management, will discover the multiple careers involved in the forestry process from tree farmer to consumer, and will identify tree products used in our everyday lives.

Correlating Standards: SS3E1.a, SS3E3



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Future Lessons

The following summaries describe the future lessons to be taught in the Destination Ag program. The subject or focus of these lessons may change as staff continue to develop the curriculum.

4th Grade (2019-2020)

Pond Study/Georgia Aquaculture: Students will have the opportunity to conduct a pond study utilizing an aquaponics system located at the GMA. By exploring an aquaculture ecosystem, students will explore food webs and incorporate producers, consumers, and decomposers. Students will be able to see an aquaculture/aquaponics system and connect these concepts to a real-world scenario.

Correlating Standards: S4L1.a, S4L1.b, SS4E1

Fire: Good or Bad: Students will have an opportunity to learn about the benefits of fire. Students will be able to understand and communicate how fires affect local ecosystems and its role in forests. Through this class, students will gain knowledge about ecosystems that depend on fire to survive. Students will understand how natural and controlled fire burns are beneficial to our ecosystem.

Correlating Standards: S4L1.c

5th Grade (2020-2021)

Botanist for a Day: This class allows students to learn about the classification of seed and non-seed plants. We will use native plants, found in the pollinator garden, to help students identify plant traits as well as how different plants help the environment. The students will measure, observe, compare, and contrast different plants while being a botanist for the day.

Correlating Standards: S5L1.a, S5L1.b

Ag Engineer for a Day: Students will learn about ag engineers and how they have revolutionized the agriculture industry. Students will learn how technological innovations both old and new have completely changed the way agricultural industries operate.

Correlating Standards: SS5E1, SS5E3



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Careers

The career lesson will enable students to define agriculture, describe the roles and responsibilities of two careers, and experience hands-on career activities. The careers will change each year to provide a variety of careers for students to explore. Activities will change dependent upon grade level.

2016-2017 Careers: Ag Mechanic, Poultry Farmer, Soil Scientist

Ag Mechanic: Students use simple tools (screwdrivers, pliers) to explore how different screws and bolts are placed on a wooden tractor.

Poultry Farmer: Students discuss the responsibilities of a poultry farmer and practice grading eggs.

Soil Scientist: Students explore different soil types (sand, clay, silt) and the importance of soil scientists to a farmer.

2017-2018 Careers: Beekeeper, Crop Applicator

Beekeeper: Students learn the equipment used by beekeepers and practice identifying the queen bee on sample hive boxes

Crop Applicator: Students learn that crops are treated in multiple ways such as, tractor, plane, and direct sprayer application. Students are given the chance to spray crops with a hand sprayer in the Destination Ag garden.

2018-2019 Careers: Florist, Forest Technician

Florist: Students learn where flowers common in the florist industry come from and discover the steps in creating a product from a florist.

Forest Technician: Students use core samples to determine tree age, learn how to measure tree diameter, and explore marking trees for harvesting.

2019-2020 Careers: Irrigation Specialist, Fisheries Technician

Irrigation Specialist Students learn how limited earth's water supply is and why moving water efficiently is an important job. They practice using different tools to move water and practice constructing pipe path-ways.

Fisheries Technician: Students learn where the fish from their local supermarket comes from. They learn the skills that fishery technicians need in order to care for fish and collect fish come harvest time. Students model seining and testing water quality.