

Agriculture, Food & Natural Resources
Exploring Agricultural Education (Third Grade)
Course Number 01.00130

Overview:

These Georgia Agricultural Education Elementary Standards of Excellence are designed to allow elementary students to explore Agriculture, Food & Natural Resources. Classroom and laboratory activities should include instruction in an organized classroom; collaborative agricultural learning experiences through investigation and inquiry, including laboratory and site-based learning activities; and personal and leadership development opportunities. These elementary agricultural standards are organized under four domains: Agricultural Systems, Foundations of Agriculture, Leadership/Career Readiness and Natural Resource Systems. Each grade level will learn key agricultural topics in these four domains.

In Agricultural Systems, students will investigate and develop an understanding of agricultural systems such as Agricultural Mechanics; Plant Systems; Animal Systems; and/or Food Systems. In Foundations of Agriculture, students will explore and communicate the importance of agriculture and its impact on daily life. In Leadership and Career Readiness, students will develop an understanding of leadership skills and characteristics for career readiness while exploring youth leadership opportunities and careers in agriculture as indicated by the National FFA Organization. In Natural Resource Systems, students will develop and build an understanding of the area of forestry, environmental, wildlife and natural resource systems.

The following is an example of the nomenclature or coding structure for the identification of the standards and elements. Kindergarten example: KLCR1 = Kindergarten Leadership/Career Readiness standard 1. First Grade example: 1FA2 = 1st grade Foundations of Agriculture standard 2. The lowercase bullets under standards further define and clarify the standard and are called elements. For example: 1LCR1a = First Grade Leadership/Career Readiness standard 1, element a.

Employability Skills

Standard 1: Demonstrate employability skills required by business and industry.

1.1 Communicate effectively through writing, speaking, listening, reading, and interpersonal abilities. (HS 1.1)

Person-to-Person Etiquette	Communicating At Work	Listening	Nonverbal Communication	Speaking
Interacting with Co-workers	Improving Communication Skills	Listening Strategies	Communicating Nonverbally	Using Language Carefully
	Effective Oral Communication	Developing a Listening Attitude	Reading Body Language and mixed Messages	One-on-One Conversations
	Effective Written Communication	Show You Are Listening		Small Group Communication
	Effective Nonverbal Skills	Asking Questions		
	Effective Word Use			

1.2 Demonstrate career awareness through the appropriate use of various technologies to learn about opportunities available in the national career clusters. (HS 1.3) (Best suited for grades 3-5)

The Application Process	Interviewing Skills
Providing Information, Accuracy and Double Checking	Preparing for an Interview
Matching Your Talents to a Job	Questions to Ask in an Interview
	Traits Employers are Seeking

1.3 Model work readiness traits required for success in the workplace including integrity, honesty, accountability, punctuality, time management, and respect for diversity. (HS 1.4)

Workplace Ethics	Personal Characteristics	Employer Expectations	Business Etiquette	Communicating at Work
Demonstrating Good Work Ethic	Demonstrating a Good Attitude	Behaviors Employers Expect	Language and Behavior	Handling Anger
Behaving Appropriately	Gaining and Showing Respect	Objectionable Behaviors	Avoiding Gossip	Dealing with Difficult Coworkers
Maintaining Honesty	Demonstrating Responsibility	Building Work Relationships		Dealing with Conflict
Playing Fair	Showing Dependability			
Using Ethical Language	Being Courteous			

Showing Responsibility	Gaining Coworkers' Trust			
Reducing Harassment	Persevering			
Respecting Diversity	Handling Criticism			
Making Truthfulness a Habit				

1.4 Apply the appropriate skill sets to be productive in a changing, technological, diverse workplace to be able to work independently and apply team work skills. (HS 1.5)

Expected Work Traits	Teamwork	Time Management	Teamwork and Problem Solving (HS 1.2)
Demonstrating Responsibility	Teamwork Skills	Managing Time	Thinking Creatively
Managing Change	Decisions Teams Make	Putting First Things First	Taking Risks
Adopting a New Technology	Team Responsibilities	Overcoming Procrastination	Building Team Communication
	Problems That Affect Teams	Organizing Workspace and Tasks	
	Expressing Yourself on a Team	Staying Organized	
	Giving and Receiving Constructive Criticism		

Agricultural Systems

Agricultural Systems

AFNR-AS: Investigate and develop an understanding of agricultural systems such as Agricultural Mechanics; Plant Systems; Animal Systems; and/or Food Systems.

- 3AS1. Relate the importance of how food is produced, handled, prepared and stored in order to protect the safety and nutritional value of the food.
- 3AS2. Define, investigate and compare common food product labels such as: organic, GMOs, etc.
- 3AS3. Research the role of pollinators (bees, birds, butterflies, etc.)
- 3AS4. Describe the role of government and industry research in ensuring a safe and wholesome food supply and environmental stewardship (such as USDA, GA Department of Agriculture, CDC, UGA Cooperative Extension/Experiment Station).

Foundations of Agriculture

Foundations of Agriculture

AFNR-FA: Explore and communicate the importance of agriculture and its impact on daily life.

- 3FA1. Describe how agriculture impacts your daily life.
- 3FA2. Use a map to locate the geographic regions of Georgia; locate and compare the geographic regions such as crops/fruit production, livestock/poultry, native trees and plants, wildlife, fall line, and forestry.
- 3FA3. Identify commodities based on the different geographic regions of Georgia and determine how environmental factors affect agriculture production in each region.
- 3FA4. Connect the need for Georgia grown commodities to be exported to other regions and the need for imports of products from other places. (Make a historical connection to explorers and how people have been trading commodities since the beginning of time)
- 3FA5. Categorize the entities that influence Georgia Agriculture (local, state, and national government entities as well as private citizens).

Leadership and Career Readiness

Leadership and Career Readiness

AFNR-LCR: Develop an understanding of leadership skills and characteristics for career readiness while exploring youth leadership opportunities and careers in agriculture as indicated by the National FFA Organization.

- 3LCR1. Develop and practice soft skills such as public speaking, eye contact, and good citizenship.
- 3LCR2. Investigate Government and Agricultural Industry Leaders.
- 3LCR3. Explore careers related to the Forestry & Natural Resources industry such as conservationist, environmentalist, game warden, wildlife management, hunting/fishing guides, forestry/natural resource professors, forestry/natural resources researchers, arborists.
- 3LCR3. Evaluate and provide rationale for an opinion writing on an agricultural related topic.

Natural Resource Systems

Natural Resource Systems

AFNR-NRS: Develop and build an understanding of the area of forestry, environmental and natural resource systems.

- 3NRS1. Examine positive and negative impact of agriculture production on the environment in your region (water, air, soil, plants, insects).
- 3NRS2. Compare the different types of soil found in Georgia.
- 3NRS3. Analyze Georgia's renewable and nonrenewable natural resources.
- 3NRS4. Identify and categorize wildlife found in Georgia.