

# LOWNDES COUNTY SCHOOLS CAREER & TECHNICAL EDUCATION COURSE SYLLABUS

## 2024-2025

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**Mr. K Thomas**

<b>Agriculture, Food, and Natural Resources</b>	<b>General AgriScience</b>	<b>Advanced Agriscience</b>
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### COURSE DESCRIPTION

Advanced Agriscience provides students with an increased understanding of Animal Science, Industrial Agricultural Technologies, and General Agriculture, three of the five pathways of the Agriculture, Food, and Natural Resources cluster. Students are involved in classroom and laboratory activities in each area. Advanced Agriscience emphasizes animal science and industrial agricultural technologies.

**Fees: \$20 FFA**

**Safety Requirement: 100% Safety Exam**

### PREREQUISITES

**Fundamentals of Agriscience**  
**Intermediate Agriscience**

### COURSE GOALS

**The goals of Lowndes County Career Tech Center Agriscience Education are:**

**To provide education in and about agriculture from the perspective of science and technology.**

**To prepare students for employment in an agricultural career.**

**To prepare students for entry into postsecondary programs in agriscience fields.**

**To provide education about the role of agriscience in the conservation of the Earth's natural resources.**

**To develop life and employability skills essential for successful employment.**

**To develop skills needed to fulfill occupational, social, and civic responsibilities**

### COLLEGE & CAREER READINESS INDUSTRY CREDENTIAL

**Green Industry Landscape Management**  
**Alabama Forestry Worker Certification**  
**Skid Steer Certification**

## **COURSE OF STUDY STANDARDS**

1. Describe the impact of agricultural commodities on Alabama's livestock industry, including feed, animal products, and by-products.
2. Assess agriculture record keeping systems utilizing electronic record-keeping software.
3. Compare and contrast various technologies that have enhanced the agriculture industry.
4. Relate opportunities within the agriculture industry to the three-circle model.
5. Explain criteria for identifying and determining the quality of meat products.
6. Distinguish among unique characteristics of prominent animal breeds.
7. Compare various types of facilities and structures for domesticated animals.
8. Identify anatomical and physiological characteristics of various livestock, including cattle, swine, sheep, equine animals, and poultry.
9. Compare methods of breeding and reproduction in livestock.
10. Describe the importance of animal biotechnology to humans, including medical, environmental, and production advancements.
11. Evaluate methods of disease prevention in livestock.
12. Identify drugs used to treat animal diseases.
13. Differentiate animal rights from animal welfare.
14. Discuss the proper disposal of waste material associated with livestock.

## **PROGRAM INSTRUCTIONAL DELIVERY PLAN**

**Mode of Instruction will include lecture, demonstration, discussion, and problem-solving.**

## **EMBEDDED NUMERACY**

Numeracy: This course contains mathematics vocabulary for almost every unit. Students will complete assignments that require mathematical skills. Such as...reading tape measure, calculating square footage, fertilizer rate calculations and feed conversions.

## **EMBEDDED LITERACY**

Literacy: This course contains technical reading and writing in every unit. Students will complete assignments that require these skills on a regular basis. Such as... to logging journal entries for each SAE-related experience that they undertake throughout their time in our program. Students will be using the "Journal" tool to add new projects and class activities throughout the year. To assist them with improving upon their reading skills, students will be required to explore and add skill areas to each entry. These skill areas provide detailed descriptions as to which skills best pertain to the work that the student has performed. Once a skill area(s) has been selected, students will then work to improve upon their writing skills by providing a detailed description of the activities that they have performed in relation to their Supervised Agricultural Experience hours.

## ASSESSMENT PROCEDURES

Assignments will be weighed according to the following:

- Classwork/Homework (40%)
- Daily Assignments = 70 points
- Homework = 30 points
- Assessments (60%)
- Projects = 50 points
- Online Tests = 50 points

The grading scale will be:

- A = 90-100% A B = 80-89% C = 70-79% D = 60-69% F = 59% and below

## DUAL ENROLLMENT OPPORTUNITIES

None

## CAREER & TECHNICAL STUDENT ORGANIZATION (CTSO)

Description: National FFA Organization

Fees: \$20

How to join: Complete membership profile on [www.theaet.com](http://www.theaet.com)

## GRADING SCALE

Weighted Structure 60% Major 40% Minor	Grading Scale: 90 - 100% A 80-89% B 70-79% C 60-69% D Below 60% F	Possible Graded Activities: Safety Exam Woodworking Projects Soil Texture Analysis Livestock Identification FFA History Exam
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## CLASSROOM BEHAVIOR EXPECTATIONS

The classroom is a **PROFESSIONAL ENVIRONMENT** thus student should as as such:

- Maintain **Professional attitude**. Leave problems at the door; put forth best effort at all times.
- Be **punctual**. Arriving on time demonstrates respect for your teacher and classmates.
- Use **academic language** at all times.
- Come to class **prepared** (notebook, pens, pencils, chromebook, etc).
- **Participate** in class as it is vital to the learning process.
- No electronic devices unless otherwise directed.
- Follow directions **quickly**.
- **Make smart safe choices!**

## ATTENDANCE & SPECIAL POPULATION

The course instructor and participants in this course will strictly adhere to the Lowndes County Schools School Student Handbook. This course will follow the attendance policy as stated by the Lowndes County Board of Education.

Accommodations for students with Individual Education Plans (IEP's) or Personalized Education Plans (PEP's or 504's) or English as a Second Language (ESL PLAN) will be followed.

A Career Tech Implementation Plan (CTIP) is required for all students with disabilities. CTIP should be developed with the student, parent, case manager or student advocate point of contact, and CTE instructor.

## INSTRUCTOR CONTACT INFORMATION

**Phone: 334-245-4511**

**Email: [kthomas@lowndesboe.org](mailto:kthomas@lowndesboe.org)**

Conferences may be scheduled upon request.

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STUDENTS: I have read this syllabus and understand it.

Printed Name: \_\_\_\_\_

Signature: \_\_\_\_\_

PARENTS: My child has discussed the syllabus with me. I understand it and will support it.

Printed Name: \_\_\_\_\_

Signature: \_\_\_\_\_