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***Mission: To offer inspiration through advanced instruction and authentic experiences.***

**Instructor:** Ms. Emily Sutton

 Email me at emily.sutton@henry.k12.ga.us. Please allow 24 hours for a response.

Conferences can be scheduled by appointment only.

**Animal Science-**

This course is designed to introduce students to the scientific principles that underlie the breeding and husbandry of agricultural animals, and the production, processing, and distribution of agricultural animal products. This course introduces scientific principles applied to the animal industry; covers reproduction, production technology, processing, and distribution of agricultural animal products. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Link to standards- [Animal Science Standards](https://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/Animal-Science-Technology-Biotechnology.pdf)

**Course Objectives**

AAS associates will

* Demonstrate employability skills required by business and industry.
* Learn to work safely in the agriculture lab and work sites, demonstrate selected competencies in leadership through the FFA and agricultural industry organizations, and develop plans for a supervised agricultural experience program (SAEP).
* Describe the various phases, segments, trends, consumption, and economic scope of the poultry, dairy, swine, aquatics, and laboratory industry.
* Analyze animal nutrition required to maintain a healthy animal.
* Explain and address the general public’s food safety and environmental concerns.
* Observe and interpret the natural behavior of agricultural animals and relate these behaviors to production practices yielding more content, healthier, and productive animals.
* Apply genetic principles to animal selection, breeding, and production. Discuss the reproductive anatomy and biological processes involved in the reproduction of agricultural animals.

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| **Required Supplies** |
| * Fully charged Chromebook
* Chromebook charger
* Navy Scrubs- T/Th
* Pen or Pencil
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| **Expectations for Academic Success** |
| * Attend class daily. **Be on time.**
* Be prepared for class.
* Respect yourself and others.
* Ask questions.
* Contribute new ideas.
* Participate in FFA
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**Grade Calculation**

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| **Summative Assessments = 60%** | **Formative Assessments = 40%** |
| * Authentic learning projects, exams, presentations, essays, labs (including final exam at 20%)
 | * Practice Work: classwork, homework, quizzes, labs, employability skills
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| **Culminating Final Exam/Project** |
| All courses will have a culminating exam or project that assesses associate learning of the semester’s course content. This exam/project will be 20% of the overall course grade. |

**Make-up Work**

Associates who are absent are required to contact the instructor for make-up work. The associate will have the same number of days that they are absent to complete the make-up work.

**Late Work Policy**

Associates must have all late work turned in, at the latest, by the end of each term. Each week the assignment is late, 10% will be deducted from the overall assignment grade.

**Employability/Soft Skills**

School Wide Activities:

* Dress for Success Days
* Network Luncheon
* Pathway Shadowing

**CTSO- FFA**

FFA is required for any student enrolled in an Agricultural course to join. For this semester the dues fee is $20.00 per student. FFA allows students to compete in various events. If you are interested in sharpening your skills and developing your abilities in this area, I encourage you to participate in one or more of these activities. Meetings will be held once a month.