**Instructor**: Mrs. Lindsey Newman **Room:** 330 **Email**: newmanL@k12coffee.net

**Course Objective**: Agriscience is an introductory laboratory science course that prepares students for biology, subsequent science and agriculture courses, and postsecondary study. This course helps students understand the important role that agricultural science and technology serves in the 21st century. In addition, it serves as the first course for all programs of study in the Agriculture, Food and Natural Resources Cluster. Standards in this course are aligned with Tennessee Common Core State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee Common Core State Standards in Mathematics, and Tennessee State Standards in Anatomy and Physiology, Biology I, Biology II, Chemistry I, Chemistry II, Environmental Science, Physical Science, Physics, and Physical World Concepts, as well as the National Agriculture, Food and Natural Resources Career Cluster Content Standards. This course counts as a lab science credit toward graduation and college entrance requirements.

The standards for this course can be found at <https://www.tn.gov/content/dam/tn/education/ccte/ag/cte_std_agriscience.pdf>

**Course Requirements**

This course is designed to introduce students to Agriculture Education and Agriscience. As part of the agriculture program, each student enrolled in an agriculture class is required to have an SAE (Supervised Agriculture Experience). Students are asked to do his/her own work and follow all instruction in the class. Each student is expected to come to class with paper, pencil, and other materials that are necessary as deemed by me. Students are expected to attend class daily, be on time, and participate in all class activities. Each student must take and **PASS** a safety exam with **100%** before they will be allowed to enter the shop or lab.

**Required Materials**

* Composition notebook (80- 100 sheets)
* Glue
* Writing utensils
* Highlighter
* Colored pencils

**Agriscience Interactive Notebook**

All students are required to keep an interactive notebook in this class (using the composition notebook). This notebook will be used for all activities, notes, classwork, lab results, etc. Procedures for setting up the notebook will be covered in detail the first full week of class. This notebook counts as a major grade.

**Lab Fee**

There is a lab fee of $10 for this course. This is used to cover supplies needed to provide hands-on learning experiences for students. This needs to be paid no later than the end of Week 3.

**Assessing Instructional Materials**

Instructional materials are available at Coffee County Raider Academy. Please email me at newmanL@k12coffee.net. Grades can be accessed via Synergy through the Coffee County Raider Academy website.

**Evaluation Grading Scale:**

* Grades will be assigned to all work A 93-100
* A weighted grading scale will determine the grade: B 85-92
	+ 10% Participation and Labs C 75-84
	+ 30% Quizzes/Tests D 70-74
	+ 40% Daily Assignments/Interactive Notebook F 0-69
	+ 20% Exams/Projects

**Make up work is the student’s responsibility!**

**\*\***Four projects will be required in this class: Agricultural Careers presentation, cell model, Agriscience Fair project, and SAE presentation. Students will be given class time for the Agricultural Careers presentation. We will discuss SAEs in class. Each student will choose an SAE, take pictures and present their project during quarter 4. The cell model and science fair project will need to be completed at home and brought by the due date. Further information will be given at a later date.**\*\***

**Topics Covered: 1st Quarter 2nd Quarter**

Lab Safety + OSHA\* Biogeochemical cycles

FFA Ecosystems

Supervised Agricultural Experiences (SAE) Ecology

History of Agriculture Cell Biology

Agricultural Careers Genetics

 **3rd Quarter 4th Quarter**

Plant and Soil Science Engines

Plant Reproduction Power and Energy

Anatomy and Physiology Electricity

Animal Reproduction

\*Students will be required to complete the online10-hour Occupational Safety and Health Training Course to obtain their certification. They will be given time in class to complete a majority (if not all) of this requirement.

\*\*Reading and/or writing will be incorporated into classroom activities and assignments daily

**Additional Information**

All students enrolled in an agriculture class are official FFA members, thanks to funding and approval from the Tennessee FFA Foundation. This allows agriculture students to be eligible for all the benefits and opportunities offered through FFA. It is strongly encouraged that students be active, where they will participate in an abundance of activities during and after school. FFA builds the foundation of premier leadership, personal growth, and career success for all of its members. For more information on FFA, you may visit <http://www.ffa.org> and <http://www.tnffa.org>

**Honors Expectations**

The high expectations that are set for students in this Honors class are based on the belief that all students can learn and benefit from this material if the appropriate effort is applied. EVERY student can succeed, but it should be noted that Honors courses stress academic habits as well as ability. Mature and courteous behavior is expected from all students in order to establish a positive atmosphere fostering mutual respect. I care about your success in this course and I believe you can reach and exceed a high set of standards. I will work with you to achieve these goals, but it is ultimately your responsibility to put forth the effort needed for success.

**Honors Expectations**

* Students will complete independent work outside of class and know that the pace of learning will be faster than in non-Honors classes. Students understand that a high level of independent study is required on their part.
* Students will bring all needed materials to class daily (please speak with me privately if you need help obtaining these items)
* Students will meet deadlines for assignments. Students will seek extra help when needed.
* Students will maintain regular attendance and participate in all class activities.
* Students will approach coursework with open minds and positive attitudes.
* Students will have time outside of school to complete their work. Students understand that assignments typically require higher-level reading, writing, and analytical skills.
* **Students understand that there are NO opportunities for late work, re-do’s, extra credit, etc.**
* Be respectful of everyone in the class at all times.
* No cell phones or other electronic devices allowed in class. These devices will be taken up and turned into administration.
* No horseplay in the classroom at any time! Follow all other classroom, shop and school rules and procedures at all times.

If a student cannot perform these requirements, then the principal, parents, counselor, teacher and student will work together to diagnose the cause of the issue, and determine if the student will benefit from this Honors class or would be better suited in a non-Honors class.

**Discipline Plan**

Consequences

1. Verbal warning
2. Teacher consequence
3. Phone call and/or meeting with parent or guardians
4. Report to Administration. Discipline form will be written.

**Personal Statement**

I, Mrs. Newman, will do my best to insure the safety and learning for all students, while trying to make learning fun and exciting. Students are asked to be respectful, participate and keep an open mind. Good behavior will be rewarded accordingly.

I will be on maternity leave for most, if not all, of the first quarter. I have made preparations for the interim teacher, and expect there to be a smooth transition when I return after fall break. I assure you that your child will be well taken care of in my absence. Thank you for your patience and flexibility during this time.

Please sign and return this agreement by August 24th.

I have read, understand and agree to the rules and requirements of the Agriscience Honors course at Coffee County Raider Academy.

Parent signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent email \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_