

Laticia O. LaFollette
Gatlinburg-Pittman High School
Spring 2020

Agriscience

Contact Information

Room Number: 108
Telephone: 865-436-5637
Email: laticialafollette@sevier.org

Text

- The Science of Agriculture, A Biological Approach 3rd edition
- RAC, *The Education of Little Tree*

Required Supplies

- Pen/Pencil
- Paper
- Notebook
- Notecards

Course Description

- 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 plays in the twenty-first century. In addition, it serves as the first course for all programs of study in the Agriculture, Food, & Natural Resources cluster. Upon completion of this course, proficient students will be prepared for success in more advanced agriculture and science coursework. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee 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, & Natural Resources Career Cluster Content Standards. This course counts as a lab science credit toward graduation requirements.

Course Objectives

- State standards for teaching and learning in this course and others are available at <http://tn.gov/education/topic/academic-standards>

Course Topics

- Agriscience Investigation and Overview
- Agriculture and Society
- Fundamentals of Environmental Systems
- Fundamentals of Cell Biology
- Fundamentals of Genetics and Heredity
- Fundamentals of Anatomy and Physiology
- Chemistry of Animal Digestion
- Fundamentals of Plant and Soil Science
- Reproductive Systems
- Principles of Power and Energy

- Fundamentals of Electricity
- Fundamentals of Engines

Major Projects/Field Trips

Major units of study will center on the exploration of agriscience concepts and career research and development. No field trips are required. Students are encouraged to participate in FFA, a co-curricular organization associated with agriculture.

- FFA Opening/Closing Ceremonies, in class mock elections
- Various Landscape Maintenance Projects
- Various competitions are available in FFA

Grading (including testing and Engrade)

- Exams/Quizzes 33%, Daily/Participation, Homework/Assignments 67%
- Per Sevier County Board of Education policy, daily grades will count as two-thirds of a student's final average while test grades will count as the final one-third. Deductions will be made for unexcused absences and tardies. The semester exam will count as 20% of the student's final grade for the course when averaged with the grades from each marking period. Students and parents can have access at all times to current grading information via Skyward.

Parental Access to Instructional Materials

- Pursuant to Tennessee Code 49-6-7003, parents or guardians may request access to any teaching materials, instructional materials, and other teaching aids used in the classroom as well as any tests developed or graded by the teacher. In order to facilitate this request, parents/guardians are asked to submit a request for such review via letter, email, or phone conversation prior to an established meeting for said review.