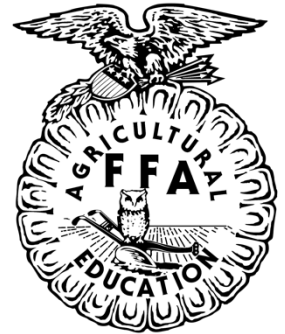


Cocke County High School

Plant Science & Hydroculture Syllabus



Instructor/Contact Information:

Ms. Burns
Room: CTE 2
Email: Burnsc@cocke.k12.tn.us

Course Information:

Prerequisites: Agriscience

Required Material: Composition Notebook, writing utensil, notebook paper, and computers

Course Description:

Principles of Plant Science and Hydroculture focus on essential knowledge and skills related to the science of plant growth. This course covers principles of plant health, growth, reproduction, and biotechnology, as well as fundamental principles of hydroponics and aquaponics. Upon completion of this course, proficient students will be prepared for more advanced coursework in horticulture science.

Google Classroom: Students will be able to access all course work through google classroom.

Parental Access to Instructional Materials:

- Aspen Parent portal
- Email Instructor
- Parent Teacher Conference
 - There are two designated conference dates during the school year. Parents who would like to request additional meetings may make appointments for conferences with the teachers (during their planning periods), counselors, or a principal by telephoning the school office.

Viewing Grades:

Points you receive for graded activities will be posted to the ASPEN grade Book. Click on the My Grades link on the left navigation to view your points. Your instructor will update the online grades each time a grading session has been completed – typically 14 days following the completion of any activity. You will see a visual indication of new grades posted on your ASPEN home page under the link to this course.

Course Policies:

Late Work: Be sure to pay close attention to deadlines—there will be no make-up assignments or quizzes, or late work accepted without a serious and compelling reason and instructor approval. Any approved make-up work must be done outside of regular class time and completed in a timely manner. Sufficient notice must be given to the instructor to prepare make-up work. It is the sole responsibility of the student to get approval for and arrange make-up work.

Field Trips: Any scheduled field trip will have a definite educational purpose and will reflect careful planning. Signed permission forms will be obtained when an off campus trip is planned.

Grading Scale: **A:** 90-100, **B:** 80-89, **C:** 70-79, **D:** 60-69, **F:** <59

Hands-On Opportunities: If you have below a “C” average in the class, you will not be allowed to participate in hands-on labs until your grade changes. You will have a paper assignment in place of the lab grade.

Tentative Schedule:

Week 1: General Safety/Intro to Research Methodology

Week 2: Plants, Society, and the Environment

Week 3: Agriculture and Ecology

Week 4: Plant Structure and Function

Week 5: Plant Nutrition

Week 6: Plant Nutrition

Week 7: Classify Soils

Week 8: Soil Quality

Week 9: Land Selection and Practices

Week 10: Plant Diseases and Pests

Week 11: Chemical Use

Week 12: Plant Biotechnology

Week 13: Plant Breeding

Week 14: Plant Genetics

Week 15: Fundamentals of Hydroponics

Week 16: Fundamentals of Hydroponics

Week 17: Aquaponics

Week 18: Review

(This schedule is subject to change due to inclement weather, school activities, etc.)