

# Principles of Plant Science and Hydroculture

Ms. Brittany Avent

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**Course Description:** Principles of Plant Science and Hydroculture focuses on essential knowledge and skills related to science and plant growth. This course covers principles of plant, health, growth, reproduction, and biotechnology, as well as fundamental principles of hydroponics and aquaponics. Standards in this course are aligned with Tennessee Common Core State Standards. This is the second course in the Horticulture Science program of study.

Plant Science is intended to be an enjoyable course to introduce you to the plant industry. Feel free to contact me at any time with any concerns you may have. Please read the syllabus carefully, sign, and return.

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| A weighted grading scale will determine your grade: | 40% - daily grades                          |
|   | 25% - notebook/quizzes/lab                  |
|   | 35% - tests/participation                   |
|   | Midterm – Career Portfolio check            |
|   | Final – Career Portfolio/Comprehensive Exam |

## Materials:

- (2) 3 ring binders – Career Portfolio and Plant Science Folder
- 25 sheet protectors
- 8 dividers (stick on preferred)

## Make up work:

- Please check the folder in the front of class for any make-up work. You have 3 days to complete and turn in for full credit. Turning work in after this deadline will result in partial credit rewarded.
- I WILL NOT TRACK YOU DOWN TO GIVE YOU MAKE UP WORK. All make up work WILL be recorded as a ZERO until it is turned in.
- You are responsible for getting all warm ups completed and will not be excused from any when checked throughout the semester.

## Classroom Rules and Procedures:

- Be on time and in your seat when the bell rings (***you will be counted as tardy***).
- Bring needed materials to class.
- Respect your classmates and teacher.
- Raise your hand to talk in class.
- NO food/gum in class. All sonic cups or outside cups are NOT allowed on school campus and you will be asked to pour it out.
- I, not the bell, dismiss the class.
- Each student will get **two** emergency passes per nine weeks. This will count for any reason to leave my room.
  - **If there is a medical condition please bring a doctor's note to class.**

## Consequences:

- 1<sup>st</sup>: Warning and documentation
- 2<sup>nd</sup>: Isolation/additional work, parental contact, and all privileges restricted
- 3<sup>rd</sup>: Office referral

### Lab and Greenhouse Rules:

- Always respect equipment in the green house (no horse playing).
- Absolutely no tobacco use, or food/drinks inside the greenhouse
- ALWAYS follow directions of instructor. If you do not understand directions then **ASK!**
- You are not allowed into the greenhouse without my permission

### Supervised Agriculture Experience:

An SAE is part of the three-circle model of agriculture education: classroom instruction, supervised agriculture experience, and FFA. Supervised agriculture experiences stress the real world application of classroom instruction and provides valuable life skills in employability, record keeping, marketing and entrepreneurship. Each student will be responsible for developing or advancing his/her own SAE throughout his/her time in agriculture education. Record keeping for your SAE will be due in your portfolio at mid-term and at end of the semester. The following guidelines are provided below:

| Grade Received | Money Earned    | Hours (unpaid) worked |
|----------------|-----------------|-----------------------|
| A              | More than \$250 | More than 65 hours    |
| B              | \$200-\$250     | 45 – 65 hours         |
| C              | \$150 - \$200   | 25 - 45 hours         |
| D              | \$100 - \$150   | 15 - 25 hours         |
| F              | Less than \$100 | Less than 15 hours    |

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## The National FFA organization

Another part of any agriculture education class is the direct correlation to the National FFA Organization. I hope you consider joining FFA. Through this organization you can make a positive difference in your life by developing your potential for premier leadership, personal growth, and career success. In FFA there are many opportunities (over 25 different competitions/trips) to be involved in whether you are interested in mechanics, animals, plants, taking trips, leadership, public speaking, etc. Dues will be set at \$25 plus t-shirt cost along with any expenses for trips to places such as conventions or camp. FFA is a great way to make friend across the state and nation. It truly is a wonderful program and I am so glad to serve as one of your advisors along with Mr. Holden.

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Please sign and return stating that you have read and understand the expectations for Plant Science and Hydroponics.

Student: \_\_\_\_\_

Parent: \_\_\_\_\_ Contact information: \_\_\_\_\_

Date: \_\_\_\_\_

Success isn't just about what you accomplish in your life it's about what you inspire others to do