



# Plant Science and Hydroculture

2021

(this class will offer an industry cert. In plant science)



## **Instructor:**

Mrs. Jennifer

**Cosby High School Ag. Dept. /FFA**

Noe

Cosby High School

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**Course Description Principles of Plant Science and Hydroculture focuses 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.**

## **Goals and Objectives:**

- Develop good habits, attitudes, judgments, and the ability to participate with others in a work environment
- Create an understanding for the importance of the agriculture industry in its entirety
- Develop student comprehension of science and mathematics content through application in agriculture
- Create a desire in students to seek additional skills and knowledge in a given area of interest

**Course Outline:**  
**placed on walls of classroom**

**Textbook:** *icev*

**AGEDNET**

**Grading Procedure:**

- Participation/Laboratory Activities – 50%



- Tests – 20%
- Notebook/Journal – 20%
- Quizzes – 10%
- AFTER ALL STUDENTS PASS THE SAFETY EXAM WE WILL BE OUT IN THE GREENHOUSE DAILY!!! KEEP THIS IN MIND, YOU CAN BRING AND LEAVE BOOTS AND OR CLOTHING IN MY ROOM TO CHANGE!!

### **Grading Policy:**

- \*Grades are based on the assignment. Some assignments may be worth 10 pts, while others are worth 100 pts. (This is due to different levels of assignment rigor and amount of time needed for completion.)
- \*All work is to be completed on time or 10% of the points will be deducted per day late.
- NO WORK will be accepted one week after the due date.
- You are encouraged to keep track of your own grades or by using Skyward.
- \*Keep all returned work in your folder as proof of grade.
- \*Extra points will be given for high quality extraordinary work, and points may be deducted for work of unsatisfactory completion.
- I AM HUMAN. Therefore, mistakes may occur on graded assignments or during entry into the gradebook. If this occurs, please let me know of your concerns ASAP.
- \*The grade you receive is the grade YOU earn.

**NOTE: YOU WILL BE HELD RESPONSIBLE FOR YOURSELF AND YOUR ACTIONS. PLEASE CHECK WITH YOUR CLASSMATES FOR ANY WORK YOU MIGHT HAVE MISSED!**

### **Classroom Rules:**

1. Bring all needed materials to class.
2. Be in your seat and ready to begin when you get off the bus.
3. Be respectful and polite to all people.
4. Speak at appropriate times, using appropriate language.
5. Respect other people's property.
6. Keep cell phones off/or hidden while in the classroom.
7. Food/Drinks are allowed at appropriate times, but are privileges that can be taken away during class.
8. All safety guidelines will be followed when given.
9. Follow all school and greenhouse rules.

**10. NO TOBACCO!!!**



- 11. NO CELL PHONES**
- 12. MUST BRING CHROME BOOK DAILY**

**Required Material:**

- 3-Ring Binder (1.5 or 2")
- Paper and Pencils/Pens
- Proper/safe clothing for Labs

**Please ask or email me if you have  
Any questions**

**\*\*\*\*\* Students are expected to volunteer (at least) one weekend to water plants or work a Saturday once Greenhouse sales begin. \*\*\*\*\***

**This will be a factor calculated into each student's FINAL grade.  
\*Special circumstances will be considered for alternative duties.**

**Attendance and Discipline procedures can be found in Student Handbook or the School Board Policies.**

**FFA INFORMATION WILL BE HANDED OUT SEPARATE.**

**ALL STUDENTS MUST PASS A SAFETY TEST WITH 100% ACCURACY BEFORE ENTERING THE LAB.**