



Plant Science and Hydroculture

2025-2026

Cosby High School Ag. Dept. /PF1

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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

TEXTBOOK: *ICEV, GOOGLE CLASSROOM*

Google Classroom
1ST-2ND-mige5dfs
4TH-5TH : qi2gge2c
FFA- lhuybcscd

GRADING PROCEDURE: IF STUDENTS ARE OUT MORE THAN ONE DAY, PLEASE EMAIL OR MESSAGE ME IN GOOGLE CLASSROOM

- PARTICIPATION/LABORATORY ACTIVITIES – 30%
- TESTS – 50%
- QUIZZES OTHER – 20%
- ALL STUDENTS WILL TAKE A SAFETY TEST AND PASS WITH 100%
- STUDENTS WILL NEED TO PREPARE TO WORK OUTDOORS AND IN THE GREENHOUSE LAB WEEKLY, DRESS ACCORDINGLY
- FFA WILL BE ADDRESSED SEPARATELY

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. NO CELL PHONES
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!!!

90-100 = A; 80-89 = B; 70-79 = C; 60-69 = D; 0-59 = F

FINAL EXAM POLICY

AS DAILY ATTENDANCE AT SCHOOL IS CRITICAL FOR ACADEMIC SUCCESS, COSBY HIGH SCHOOL HAS ADDED AN INCENTIVE TO THE ACADEMIC PROGRAM TO REWARD INDIVIDUAL DAILY ATTENDANCE.

ALL **NON-EOC TEACHERS** ARE REQUIRED TO ADMINISTER A COMPREHENSIVE FINAL EXAM THAT ASSESSES THE MASTERY OF STANDARDS TAUGHT THROUGHOUT THE SEMESTER.

- **EOC TEACHERS** ARE REQUIRED TO ADMINISTER A GRADED QUIZ OR TEST DURING THE FINAL EXAM BLOCKS ON THE DATES LISTED ABOVE. EOC QUICK SCORES ARE USED IN THE FINAL EXAM COLUMN AND WEIGHTED AS THE FINAL EXAM. THE GRADED QUIZ