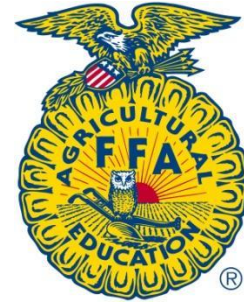
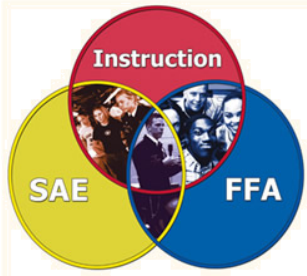


Dale County High School

Agri Science Education



**Course Syllabus
for
Turfgrass Management
Instructor – Mr. Jones
Email: JJones@dalecountyboe.org**

Instructional Philosophy:

Agriscience Education places a new emphasis on the integration of academics into existing agriculture/agriscience curricula, especially in the areas of science and mathematics. As a result of this emphasis, new programs are included in the Agriscience Education curriculum. This new direction serves two major purposes: (1) to provide students with the knowledge and skills needed to enter and advance in agricultural careers and (2) to enable students to function as informed citizens in today's society. The Agriscience Education mission is to prepare students for successful careers and a lifetime of informed choices in the global agriculture, food, fiber, and natural resources systems.

Course Description:

Turfgrass Management prepares students to install and maintain turfgrass in a variety of settings. Topics in Turfgrass Management include turfgrass identification, establishment, maintenance, tools and equipment, and business management. Foundational standards are an important part of every course. Through these standards, students learn and apply safety concepts, explore career opportunities and requirements, practice the skills needed to succeed in the workplace, develop leadership and take advantage of the opportunities afforded by Career and Technical Student Organizations, learn and practice essential digital skills, and participate in supervised projects which allow them to put into practice the skills and knowledge acquired in the classroom, shop, and lab.

Prerequisites: Fundamentals of Agriscience
Horticulture Science

Career Technical Student Organization (CTSO): FFA

FFA is a dynamic youth organization that is an intra-curricular component of an agriscience program. FFA offers a variety of opportunities for members to get involved through leadership conferences, scholarship opportunities, and competitive events. The FFA Mission is to make a positive difference in the lives of young people by developing their potential for premier leadership, personal growth, and career success through agriscience education. To find out more about FFA, please visit www.alabamaffa.org or www.ffa.org.

Course Goals:

1. To provide education in and about agriculture from the perspective of science and technology
2. To prepare students for employment in an agricultural career
3. To prepare students for entry into postsecondary programs in agriscience fields
4. To provide education about the role of agriscience in the conservation of the Earth's natural resources
5. To develop life and employability skills essential for successful employment
6. To develop skills needed to fulfill occupational, social, and civic responsibilities

Embedded Numeracy and Literacy:

As a Career Technical Education is our mission to educate students to be career and college-ready. These skills are embedded throughout our curriculum. This allows students to practice reading, writing, and mathematical skills outside of a core classroom in a hands-on setting.

Numeracy: Precisely measuring properties, calculating formulas, properly creating a budget sheet, etc. **Lesson:** Students will Create cost estimates for large and small projects in the turfgrass industry. (Standard 8)

Literacy: Properly recording data, following procedures while completing labs, creating career portfolios, communicating with peers, etc. **Lesson:** Demonstrate how to plan work schedules and maintenance schedules. (Standard 9)

Anchor Assignments:

Students will work on AET once they have completed their daily assignments.

Grading Procedures:

All grades will be based on a 100-point scale and will count equally. There will be no differentiation between daily and test grades. A mid-term and a final exam will be given and will count for 25% of the final grade.

Grading Scale:

A = 100 – 90

B = 89 – 80

C = 79 – 70

D = 69 – 60

F = 60 – Below

SAE 25%

Daily/labs 30%

Tests/Quizzes 30%

Participation 15%

Assessment Procedures:

1. Student notebook
2. Classwork/worksheets
3. Tests
4. Oral Reports
5. Written Reports
6. Shop Skills

Class Procedures/ Materials Needed/ Etc.

Students will need pencils and paper *every* day. Student folders will be the student's responsibility. Textbooks will be kept in the agriscience classroom.

Class Rules

- RESPECT: Yourself, your teachers, the school, and personal property.
- Attendance will be taken at the beginning of each block. A tardy is entering the classroom any time after the bell rings. Excessive tardy will NOT be tolerated!
- If you are absent for any reason, YOU are responsible for obtaining your
- make-up work within a reasonable time. A due date will be assigned when you
- receive your make-up work.
- Come ready to learn and work every day.
- All school policies apply.
- NO cell phones should be out in the classroom or any other location during the
- class block.
- No horse playing in the shop, classroom, or land lab.
- Follow all shop safety rules
- Always ask if you do not understand how a tool works in the shop, "SAFETY FIRST".
- Keep a positive attitude in everything thing you do and respect others in the classroom.

Class Fees/Dues:

The Class Fees are \$15.00 payable at any time after the course begins (this \$15.00 is mandatory and must be paid).

Essential Questions:

How have developments in the turfgrass industry led to increased economic impact over time?

How is binomial nomenclature useful in describing living things worldwide, despite language differences?

How can an agricultural product like turfgrass have such a large economic impact?

What drives the evolution of organisms to allow them to adapt and survive in different regions?

Why do turfgrass producers need to modify/amend naturally existing soil?

How does ensuring that turfgrasses have the proper nutrients and care relate to this same idea for all living things?

How can the life cycle of a plant be manipulated by humans?

How can the lifecycle of weeds and insects be manipulated to prevent damage to plant species?

Culminating Product(s):

Students will Identify common turfgrass names and characteristics, and describe uses of warm and cool season grasses.

Students will Identify soil preparation techniques for turfgrass.

Students will Summarize proper maintenance techniques for residential, commercial, and sports turf

Students will Identify common problems in turfgrass cultivation, including diseases, weeds, nutritional deficiencies, and environmental factors, and describe options for preventing and treating them.

Students will Describe and demonstrate the safe and economical use of commercial and residential equipment to install and maintain turf in a variety of settings.

Students will Demonstrate routine maintenance of turfgrass equipment.

Students will Discuss the importance of business management skills to the turfgrass manager.

Students will Create cost estimates for large and small projects in the turfgrass industry.

Students will Demonstrate how to plan work schedules and maintenance schedules.

Students will Prepare a budget for a turf management business, including insurance, advertising, and equipment acquisition and depreciation.

Available Credential(s):

- Forestry Worker Certification

***Notice: Changes in topics covered or grading procedures are up to the discretion of the instructor.**

Students will be made known of any changes that do occur.

Parent/Guardian Signature

We (student and parent/guardian), have read the attached Agricultural Education Department Program Guidelines, Procedures, and Rules and agree to abide by and uphold them during my tenure with the Dale County High School Agriculture Education Department.

Comments:

Parent or Guardian Signature:

