



Agriscience I - Plant Science Course Syllabus



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Course Description and Objectives

This is an advanced elective course that focuses on plant sciences specifically within plant production. All students will be required to have a Supervised Agricultural Experience (SAE) and participate in the FFA where you will receive premier leadership and skills for career success. A primary focus within this course is to prepare students for the Technical Skills Assessment that students will take once they have completed the AgriScience Program sequence. For students to meet the guidelines set by the state and advance towards becoming competitors of the agriscience program, the plant science course is designed as a fast-paced course that builds student knowledge of the Plant Science Industry.

This course, when paired with Agriscience II, can be taken for a laboratory science credit.

Arizona Career and Technical Education Course Technical Standards

Domain 1 Science of Agriculture

Standard 2.0 Examine the impact of trends, technologies, and policies on agriculture

Standard 3.0 Examine the use of scientific processes used in agriculture

Standard 4.0 Examine the relationship of the environment to agriculture production and sustainability

Standard 6.0 Examine cell biology, structures, and processes

Standard 16.0 Examine technology tools and systems used to access, manage, integrate, and create information and solve problems

Domain 2 Plant and Animal Science

Standard 5.0 Examine soil management for plant and animal production

Standard 7.0 Analyze plant science principles

Standard 8.0 Demonstrate concepts of plant management

Standard 11.0 Analyze principles of integrated pest management (IPM) in plant systems

Domain 4 Agricultural Mechanics

Standards 14.0 Demonstrate operation of tool equipment and instruments

Arizona Career and Technical Education Course Professional Skills Standards

Standard 1.0 Complex Communication

1.A Masters core communication skills for the workplace

1.B Communicates effectively in a diverse work environment.

1.D Foundational communication skill check points

Standard 2.0 Collaboration

2.A Commits to achieving collective goals.

2.B Promotes an environment of trust.

Standard 3.0 Thinking and Innovation

3.C Takes action supported by evidence & reasoning to explain conclusions & accomplish work.

Standard 4.0 Professionalism

4.B Manages time in accordance with organizational expectations.

Standard 5.0 Initiative and self-direction

5.B Adapts to changing conditions and expectations in the organization.

Materials

Please bring the following materials with you to class everyday:

Mandatory

- 3-ring Binder with paper
- Writing Utensils - pencil or pen (black or blue ink only)

Recommended

- Calculator

Tardy Policy

- 1st Tardy - Warning
- 2nd Tardy - Parent contact
- 3rd Tardy - 15 minute detention (lunch or after school) within 24 hours and parent contact
- 4th Tardy - Referral submitted to administration and parent contact

Absence Policy

10 Absences from this class in one semester may result in removal from class.

Grading

This course consists of three components: Agriculture Instruction/Curriculum, Supervised Agriculture Experience, and the FFA.

1. **Agriculture Instruction/Curriculum:** Grades are not given, they are earned. Grades will be determined by the degree to which objectives are met, success is achieved, timeliness, neatness, and original work. As this is an advanced class, students are expected to keep up with the pace of the coursework. If you are struggling with the class, I am available for extra assistance during conferences and after school.
2. **Supervised Agriculture Experience (SAE) Project:** Students will be expected to design a SAE plan in the 1st quarter and implement it by the 2nd quarter. Students will keep an electronic record of this project and are expected to take photos of their project throughout the school year. It will be the responsibility of the student to keep accurate records throughout the school year and submit these records on time to the instructor.
3. **FFA Leadership Grade:** A major aspect to this course is the development of leadership skills, speaking abilities, teamwork and other various skills that will play a major role in every individual's career choice. Students are required to participate in the local FFA activities and have the opportunity to participate in the district, state and national FFA activities. This will count towards 20% of each semester's grade. Please refer to the attached sheet for dates of the required events.

Grading Scale:

A = 90 - 100%

B = 80 - 89%

C = 70 - 79%

D = 60 - 69%

F = 59 - 50%

Semester Grade = (40% 1st/3rd Qrt) + (40% 2nd/4th Qrt) + (20% Leadership Grade + Semester Final)

Infinite Campus Access

Parents and students can access grades by going to the school's website and clicking on Parent Connect. Students' information is only accessible by using an individualized password assigned by the school. Parents may contact office personnel/counselor for their child's password.

Conference Period and Tutoring Policy

- Students may use conference periods and after school to make up missed labs/activities or to make up missed assignment.
- Conference period will be on Wednesdays and Thursdays.
 - During this time, students are only allowed out of the classroom if they have a pass signed by a teacher or a properly designated color club pass.
 - Passes must be requested during class or before school
- The library is not available during conference.
- Students should use this time to study or read.

Class Expectations

1. Be in class on time ~ Begin working on the daily warm-up immediately.
2. Be prepared with all required supplies.
3. Be courteous and respectful to everyone.
4. No inappropriate language or profanity.
5. No food or drink (except water) in the classroom.

Consequences for Inappropriate Behavior

(All decisions will be at the discretion of the instructor)

1. 1st time - Warning
2. 2nd time - Parent Contact
- 3rd time - Removal from class and a referral submitted to administration

General Procedures

Late work:

All unexcused late work will be excepted for half credit up until the designated deadline for each quarter. This is not applicable to the Supervised Agricultural Experience Project (SAE). The dues dates for the SAE project will be provided during the 1st quarter and are not accepted late.

Make-up work:

It is your responsibility to pick up any missed assignments. I suggest making a good friend that you can depend on for notes, etc. Many labs will consist of materials that are available only at the time of the lab. Missed labs must be made up after school within one week. If you do not understand the assignment please ask, I am here to help you. Class time will not be used to explain missed work.

BHS Diversity Statement:

All individuals have a right to an educational environment free from bias, prejudice, and bigotry. As members of the Basha High School educational community, students are expected to refrain from participating in acts of harassment that are designed to demean another student's race, gender, ethnicity, religious preference, disability or sexual orientation.

Syllabus Disclaimer:

Mrs. Metzger's views the course syllabus as an educational contract between the teacher, students, and parents. Every effort will be made to avoid changing the course schedule, but the possibility exists that unforeseen events will make syllabus changes necessary: this includes but is not limited to SAE dates, FFA dates and classroom due dates. The instructor reserves the right to make changes to the syllabus as deemed necessary. Students will be notified in a timely manner of any syllabus changes.