

Basic Agricultural Science



Course Number: 02.471
Instructor: Mrs. Sapp
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Planning: 4th Period

Prerequisite: none(1st level)
Phone: (229)903-2260
Room: 714

Course Description: This course is designed as the foundational course for all Agriculture, Food & Natural Resources Pathways. The course introduces the major areas of scientific agricultural production and research; presents problem solving lessons and introductory skills and knowledge in agricultural science and agri-related technologies. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities. This course is the prerequisite for all AFNR pathways.

Units of Instruction:

Employability
 Introduction to FFA
 SAE & Careers
 Safety
 Introduction to Agriculture

Introduction to Soil Science
 Introduction to Plant Science
 Introduction to Forestry & Wildlife
 Introduction to Environmental Science
 Introduction to Animal Science

Introduction to Agriscience
 Introduction to Agricultural Mechanics
 Introduction to Food Science

Course Standards:

Standard	Description
AFNR-BAS-1	Demonstrate employability skills required by business and industry
AFNR-BAS-2	Relate the role of the FFA student organization in the students' personal development
AFNR-BAS-3	Explore, develop, and implement the Supervised Agricultural Experience (SAE) program by researching careers in agriculture and agribusiness
AFNR-BAS-4	Recognize how agriculture meets human needs today, in the past, and for the future
AFNR-BAS-5	Determine and illustrate safety in the agriculture lab and agriculture worksites
AFNR-BAS-6	Describe soil formation and management and assess its relevance to plant/animal production and natural resources management
AFNR-BAS-7	Demonstrate knowledge of physics used in agriculture as it relates to work, power, simple machines, and both past and present machinery used in the agricultural industry
AFNR-BAS-8	Identify the different areas of agriscience and relate the scientific classification system to organize and research the agriscience field
AFNR-BAS-9	Define major components of the animal industry and outline the development of the resulting products, services, and careers
AFNR-BAS-10	Demonstrate basic skills in natural resource management
AFNR-BAS-11	Apply principles of science to food processing to provide a safe, wholesome and nutritious food supply
AFNR-BAS-12	Apply principles of environmental science as it relates to agricultural production and sustainability
AFNR-BAS-13	Explain and demonstrate basic plant science principles including plant health, growth, and reproduction

Student Materials: Each student is required to have a three-ring notebook with loose-leaf paper, a composition book, and a blue or black ink pen or a pencil. These materials should be brought to class DAILY. A small pack of colored pencils or markers, a highlighter, and a basic calculator will be helpful, but there will be a class set provided so students are not required to purchase their own.

All students are asked to bring \$10 to cover the expense of classroom supplies. This will cover individual use items for the course for the year.

Labs: Dress appropriately for lab situations (no flip flops, clothes that can't get dirty, etc). I will notify of labs at least one day in advance either in class or through Remind 101 so that you may be prepared. Failure to participate in labs will result in a '0' for the lab activity.

Grades will be weighted as follows:

25% Classwork... daily journals, daily grades (worksheets/handouts), minor presentations, minor SAE grades (Teacher Approval Form, SAE Plan, Progress Checks), Participation

- 35% Tests/Quizzes... unit tests, daily quizzes, notebook checks
- 40% Projects/Laboratories... major projects & presentations, laboratories & performance assessments, major SAE grades (Proficiency Application, Presentation, folder check)

Supervised Agricultural Experience (SAE): The Supervised Agricultural Experience (SAE) is a project that is state mandated and carried out through the nation. This serves as an opportunity for the student to venture on his/her passion in learning something career related that sparks their personal interests. Each student will develop and plan an SAE project in which they will spend at least 30 hours outside of class completing. We will discuss the SAE in detail during the first few weeks of the school year. Many examples/ideas will be shared during this time. Check point grades will be taken periodically throughout this course to ensure projects are continuously and adequately completed. This is a large portion of the student's grade and will require some parent involvement and supervision. Data is the keyword. This project's objective is to teach students how to keep information and present it in an appropriate manner. SAE paperwork will be made available for you to reference.

- VISIT – The instructor will be available ANY time to come and assist you with your project. Students must sign-up for visitation appointments. Agreement Forms should be signed by the parent and student. The instructor will make visits thorough the year.
- RECORDS – These are to be kept on your projects and will be graded. You must include a minimum of 6 working (student is actively working on the experience) photographs of project work.
- CONTENT – You may choose from a wide array of agriculture experiences for the SAE. However, the teacher and a parent must also approve the projects.
- PRESENTATION – At the end of the semester the student will be required to give a presentation on his/her SAE project.

FFA: Agriculture Education's student organization is a co-curricular component of Basic Ag. Students will review the history of FFA and the activities, awards, and benefits of being an FFA member. Students are encouraged to participate in all three areas of the Agriculture Education program including classroom instruction, SAE, and FFA membership. Students participating in FFA career development events must be a current member of the FFA chapter. Active participation is strongly encourage to get the full output of the course.

Professionalism: Students are to come to class every day to work for the entire time just as if the classroom was a job location. Professional development would include among other things an attitude of teamwork, punctuality, dress appropriate to the work environment, courtesy and respectful language. This portion will be graded in the class participation section of your final grade.

Make-up Work: Work missed when absent is to be made up within 5 days if the absence is excused. After an absence the student is to ask what was missed and complete the work. Students may schedule tutoring sessions by appointment before or after school when necessary.

Remind 101: Reminders for class and FFA will be sent out on a regular basis to benefit both students and parents. On a mobile phone, text the message @3akh26 to the number 81010 or (229) 299-8325. To download the mobile app, open your web browser and go to rmd.at/3akh26 and follow the instructions found there. On a desktop computer, go to rmd.at/3akh26 to sign up for email notifications or you can email 3akh26@mail.remind.com.

Disclaimer: The content of this syllabus is subject to change.

My signature on the below indicates that I have read this syllabus.

Student's Printed Name: _____

Student's Signature: _____ Date: _____

Parent's Printed Name: _____

Parent's Contact Information: Cell: _____ Home: _____

Work: _____ Email: _____

Parent's Signature: _____ Date: _____