

Basic Agricultural Science

Course Number: 02.471
Phone: (229)903-2260
Room: 714 or 308 @ 9th grade
Prerequisite: none (1st level)

Instructor: Mrs. Sapp
Email: sappre@lee.k12.ga.us
Planning: 4th Period



Basic Ag Google Classroom Codes will be given by class period.

FFA Google Classroom Code: dn6hu5i

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 Agriculture	Introduction to Environmental Science
Introduction to FFA	Introduction to Soil Science	Introduction to Animal Science
SAE & Careers	Introduction to Plant Science	Introduction to Agriscience
Safety	Introduction to Forestry & Wildlife	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 something to write with (pencil, pen, etc.), something to write on (paper), and somewhere to keep items given to you as resources or references for this class (notebook). Students will be encouraged to submit assignments using technology. We have chromebooks available for your use in class, but you are welcome to bring your own technology to use for classwork purposes as well. However, the school is not responsible for lost, stolen, misused, or damaged personal belongings.

All students are required to bring \$10 to cover the classroom dues. This fee can be paid through IC or in the front office.

Labs:

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

9 Weeks 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 through 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 encouraged 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:

Students should keep track of due dates and assignments through Google Classroom. If there is an extenuating circumstance in which work cannot be completed on time, please contact me personally so we can discuss an alternative due date.

Please fill out the linked form to show you have read this syllabus and agree to complete an SAE for course credit.

[SAE/Syllabus Acknowledgement Form](#)

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

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