

Basic Agriculture Science – 02.47100

Class Syllabus and Course Calendar

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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 and is intended for students in grades 8-10.

8th Grade students who successfully complete this course will receive high school credit.

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

MATERIALS

1" Notebook, white with plastic cover
Spiral bound notebook – 1 subject with 3 holes
Set of 5-Tab dividers
Sticky notes, one pack – any color
Paper
Pencil
Pens, black and red
Highlighter, any color

COURSE CALENDAR

1st Nine Weeks

Week 1	Basic Human Needs, History
Week 2	FFA, Leadership
Week 3	FFA, SAE
Week 4	Soil Science
Week 5	Soil Science
Week 6	Plant Science
Week 7	Plant Science
Week 8	Plant Science
Week 9	Review, Make Ups, Benchmark

2nd Nine Weeks

Week 10	Animal Science
Week 11	Animal Science
Week 12	Animal Science
Week 13	Animal Science
Week 14	Animal Science
Week 15	Wildlife
Week 16	Wildlife
Week 17	Leadership, SAE
Week 18	Review, Make Ups, Benchmark

3rd Nine Weeks

Week 19	Safety
Week 20	Ag Mechanics
Week 21	Ag Mechanics
Week 22	Careers
Week 23	Forestry
Week 24	Forestry
Week 25	Forestry
Week 26	Forestry
Week 27	Review, Make Ups, Benchmark

4th Nine Weeks

Week 28	Forestry
Week 29	Ag Mechanics
Week 30	Ag Mechanics
Week 31	Agriscience
Week 32	Agriscience
Week 33	Environmental Science
Week 34	Environmental Science
Week 35	Food Science
Week 36	Review, Make Ups, Final

GRADING

20%	Daily Grades: Participation, Homework, Notebook Checks
20%	Formative Assessments: Quizzes, Classwork
40%	Summative Assessments: Tests, Projects, SAE Program
20%	Benchmarks/Final

The students will take a Pre-test during the first week on the Student Learning Objectives established for the Basic Ag Science course. They will take the Post-test during the last week of school. Students are expected to experience at least a 35% growth rate between the two scores.

DISCIPLINE

1. Warning
2. Parent Contact
3. After-School Detention
4. Parent Conference
5. Discipline Referral

CLASS COMMUNICATION

Remind101: Text @basicag16 to 81010

Teacher Webpage: <http://www.thomas.k12.ga.us/olc/teacher.aspx?s=430>

CLASS AGREEMENT (Please sign and return this page to the teacher)

The students are expected to:

- Come to class prepared and ready to learn
- Complete all assignments in a timely manner
- Observe all classroom rules and lab safety procedures
- Be an active paid member of the National FFA Organization
- Develop and maintain a supervised agricultural experience (SAE) project
- Participate in at least one community service project in or outside of instructional time

The parents are expected to:

- Provide support and encouragement to their students through coursework and associated activities
- Communicate with the teacher about the student's progress, issues, and concerns
- Assist in supervising student SAE projects
- Support the agriculture teacher through efforts in educating their students and developing them to be responsible and productive citizens

We understand that the Basic Ag Science course is a 9th grade level course and will earn the student one high school credit upon completion. We understand the high expectations of the class and will do our best to fulfill all obligations.

Student Signature _____ Date _____

Parent Signature _____ Date _____