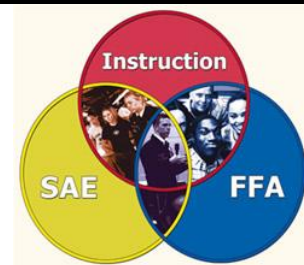


Basic Agricultural Science



Course Number: 02.471
Instructor: Mrs. Sapp
Email: sappre@lee.k12.ga.us
Planning: 3rd Period

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

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 |

Curriculum Pacing Map:

The following units will be taught though out the course: Employability, Introduction to FFA, SAE & Careers, Safety, and Introduction to Agriculture. Standards from these units will be mixed with other units with the exception of Introduction to FFA which will be taught on FFA Fridays.

| First Semester | | | | |
|------------------------------|---------------|--------------------------------|-------------------------------------|-----------------------------|
| Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 5 |
| 4 weeks | 1 week | 5 weeks | 4 weeks | 3 weeks |
| Introduction to Food Science | SAE & Careers | Introduction to Animal Science | Introduction to Forestry & Wildlife | Introduction to Agriscience |
| AFNR-BAS-11 | AFNR-BAS-3 | AFNR-BAS-9 | AFNR-BAS-10 | AFNR-BAS-8 |

| Second Semester | | | | |
|------------------------------|---------------|-------------------------------|---------------------------------------|--|
| Unit 6 | Unit 7 | Unit 8 | Unit 9 | Unit 10 |
| 4 weeks | 1 week | 5 weeks | 3 weeks | 4 weeks |
| Introduction to Soil Science | SAE & Careers | Introduction to Plant Science | Introduction to Environmental Science | Introduction to Agricultural Mechanics |
| AFNR-BAS-6 | AFNR-BAS-3 | AFNR-BAS-13 | AFNR-BAS-12 | AFNR-BAS-7 |