

Basic Agricultural Science

Course Number: 02.471

Instructor: Ms. Sapp

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Prerequisite: none (1st level)

Phone: (229) 903-2260

Room: 714

Planning: 4th Period

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 throughout 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