

# STRANDS AND STANDARDS

## AGRICULTURE, INTRODUCTION



### Course Description

This course is designed to provide 8th grade students with an introduction to agriculture, personal and leadership development, workplace readiness skills, and career opportunities in the agricultural industry in animal science, food science, plant science and natural resource science.

|                                      |                           |
|--------------------------------------|---------------------------|
| <b>Intended Grade Level</b>          | 8                         |
| Units of Credit                      | 0.5                       |
| Core Code                            | 30.02.00.00.101           |
| Concurrent Enrollment Core Code      | N/A                       |
| Prerequisite                         | None                      |
| Skill Certification Test Number      | None                      |
| Test Weight                          | N/A                       |
| <b>License Area of Concentration</b> | Secondary Education 6-12  |
| <b>Required Endorsement(s)</b>       |                           |
| Endorsement 1                        | Agriculture (CTE/General) |
| Endorsement 2                        | Agriculture Science       |
| Endorsement 3                        | N/A                       |

## STRAND 1

**Student will participate in personal and leadership development activities through the FFA.**

### Standard 1

Student will use communication skills to effectively communicate with others.

- Understand when it is appropriate to listen and to speak.
- Understand and follow verbal and written instructions for classroom and laboratory activities.

### Standard 2

Student will effectively use teamwork to respectfully work with others.

- Identify and understand different roles in working with a team

### Standard 3

Student will use critical thinking and problem-solving skills

- Analyze the cause of the problem.
- Develop a solution to address the problem.
- Implement the plan.
- Evaluate the effectiveness of the plan.

### Standard 4

Student will be dependable, reliable, steady, trustworthy and consistent in performance and behavior.

- Set and meet goals on attendance and punctuality.
- Prioritize, plan and manage work to complete assignments and projects on time.

### Standard 5

Student will be accountable for results.

- Use an achievement chart for activities and behaviors in class that encourages a personal evaluation of classroom performance.

### Standard 6

Be familiar with the legal requirements and expectations of the course.

- Be familiar with the course disclosure statement and all requirements for successful completion of the course.
- Demonstrate workplace ethics, e.g. fair, honest, disciplined.

## STRAND 2

**Student will participate in work-based learning activities through the Supervised Agricultural Experience (SAE) Program.**

### Standard 1

Student will demonstrate employability skills.

- Use a career search network to find career choices.
- Identify appropriate CTE Pathway for selected career choice.
- Write a resume including a list of demonstrated skills.
- Complete a job application.

### Standard 2

Student will participate in a work-based learning experience outside the classroom

- Student will plan and implement a Supervised Agricultural Experience Program from at least one of the following areas; ownership/entrepreneurship, placement/internship, research, school-based enterprise, and/or service-learning experiences

### Standard 3

Student will develop a job portfolio specific to their selected work-based learning experience.

- Student will keep a personal record/journal/log of their work-based learning experience; including pictures, financial records, skills learned, hours associated with project, goals, reflection, etc.

## STRAND 3

**Describe, discuss, and apply information concerning current events, trends in the industry, and careers associated with Animal Science.**

### Standard 1

Student use common animal terminology. Example; gender specific terms, age specific terms, breed specific terms, and animal use specific terms.

### Standard 2

Student will identify how current events affect the animal industry and are interconnected at a local, state, national and international level.

### Standard 3

Identify the most appropriate CTE Pathway for selected careers in animal science.

## STRAND 4

**Describe, discuss, and apply information concerning current events, trends in the industry, and careers associated with Food Science.**

### Standard 1

Student use common food science terminology associated with the handling, preservation, processing and preparation of food.

### Standard 2

Student will identify how current events affect the food science industry and are interconnected at a local, state, national and international level.

### Standard 3

Identify the most appropriate CTE Pathway for selected careers in food science.

## STRAND 5

**Describe, discuss, and apply information concerning current events, trends in the industry, and careers associated with Plant Science.**

### Standard 1

Student use common plant science terminology associated with plant reproduction, production, anatomy and physiology.

### Standard 2

Student will identify how current events affect the plant science industry and are interconnected at a local, state, national and international level.

### Standard 3

Identify the most appropriate CTE Pathway for selected careers in plant science.

### Standard 4

Apply “FFA” Career Development Event and Leadership Development Event concepts relating to plant science; e.g. Agronomy, Floriculture, Nursery Landscape, Public Speaking.

## STRAND 6

**Describe, discuss, and apply information concerning current events, trends in the industry, and careers associated with Natural Resource Science.**

### Standard 1

Student use common natural resource science terminology associated with multiple-use, resource management, sustainability, renewable and non-renewable resources, and conservation.

### Standard 2

Student will identify how current events affect the natural resource science industry and are interconnected at a local, state, national and international level.

### Standard 3

Identify appropriate CTE Pathway for selected careers in natural resource science.

### Performance Skills

- Reflect on assigned work/goals in class and/or in their SAE and then communicate progress relative to mastery.
- Work with a team to complete assignments and projects.
- Apply “FFA” Career Development Event and Leadership Development Event concepts relating to animal science or Food Science or Plant Science or Natural Resource Science.