

**Strands and Standards****Discovering Agriscience****Strand 1: Students 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.

pp. 98 - 99, p. 101

**Standard 2**

Student will effectively use teamwork to respectfully work with others.

- Identify and understand different roles in working with a team

pp. 103-106

**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.

p. 93

p. 93

p. 93

p. 93

**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.

pp. 94-95

**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.

pp. 128-129

**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.

pp. 136-137, 139

pp.15 - 21, pp. 61-62

pp. 132-133

p. 138

**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

pp. 66-68

**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.

pp. 68-71

**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. pp. 266-289

**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. p. 17

**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. pp. 301-302, pp. 303-306, pp. 306-310

**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. p. 18

**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. pp. 222-242

**Standard 2**

Student will identify how current events affect the plant science industry and are interconnected at a local, state, national and international level. pp. 420-423, pp. 425-428, pp.430-435

**Standard 3**

Identify the most appropriate CTE Pathway for selected careers in plant science. p. 19

**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. pp. 200-218

**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. pp. 18-19