TN Department of Education | College, Career and Technical Education

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Foundational Supervised Agricultural Experience (SAE)

Primary Career Cluster:	Agriculture, Food, & Natural Resources
Consultant:	CTE.Standards@tn.gov
Course Code(s):	C18HXX
Prerequisite(s):	*None*
Credit:	½ credit each year, up to a maximum of 1 credits per student
Grade Level:	9-10
Elective Focus - Graduation Requirements:	This course satisfies ½ credit of three credits required for an elective focus when taken in conjunction with other Agriculture, Food, & Natural Resources courses.
POS Concentrator	This course satisfies one-half out of two required courses to meet the Perkins V concentrator definition, when taken in sequence in the approved program of study.
Programs of Study and Sequence:	This course can be used to supplement all Agriculture, Food, & Natural Resources programs of study and is designed to evolve with a student through high school.
Aligned Student Organization(s):	FFA: http://www.tnffa.org
Coordinating Work-Based Learning:	All Agriculture students are encouraged to participate in a Supervised Agricultural Experience (SAE) program. In addition, teachers who hold an active WBL certificate may offer placement for credit when the requirements of the state board's WBL Framework and the Department's WBL Policy Guide are met. For information, visit https://www.tn.gov/content/tn/education/career-and-technical-education/work-based-learning.html
Promoted Tennessee Student Industry Credentials:	Credentials are aligned with postsecondary and employment opportunities and with the competencies and skills that students acquire through their selected program of study. For a listing of promoted student industry credentials, visit https://www.tn.gov/education/career-and-technical-education/student-industry-certification.html
Teacher Endorsement(s):	048, 150, 448, and 950
Required Teacher Certifications/Training:	None
Teacher Resources:	https://www.tn.gov/education/career-and-technical-education/career-clusters/cte-cluster-agriculture-food-natural-resources.html Best for All Central: https://bestforall.tnedu.gov/

Amended April 21, 2017; Amended Feb. 7, 2020; Amended Nov. 2021

Course-At-A-Glance

CTE courses provide students with an opportunity to develop specific academic, technical, and 21st century skills necessary to be successful in career and in life. In pursuit of ensuring every student in Tennessee achieves this level of success, we begin with rigorous course standards which feed into intentionally designed programs of study.

Students engage in industry relevant content through general education integration and experiences such as career & technical student organizations (CTSO) and work-based learning (WBL). Through these experiences, students are immersed with industry standard content and technology, solve industry-based problems, meaningfully interact with industry professionals and use/produce industry specific, informational texts.

Using a Career and Technical Student Organization (CTSO) in Your Classroom

CTSOs are a great resource to put classroom learning into real- life experiences for your students through classroom, regional, state, and national competitions, and leadership opportunities. Below are CTSO connections for this course, note this is not an exhaustive list.

- Participate in CTSO Fall Leadership Conference to engage with peers by demonstrating logical thought processes and developing industry specific skills that involve teamwork and project management.
- Participate in FFA career and leadership events (CDE/LDE) that align with this course including Agriscience Fair, Agricultural Communications, Agricultural Issues, Agronomy, Extemporaneous Speaking, Prepared Public Speaking, and events related to the specific student's specific SAE program.

For more ideas and information, visit Tennessee FFA at https://tnffa.org/

Using Work-based Learning in Your Classroom

Sustained and coordinated activities that relate to the course content are the key to successful work-based learning. Possible activities for this course include the following. This is not an exhaustive list.

- **Standards 1.1-2.4** |Have an industry representative as a guest speaker with one of the topics dealing with SAE and WBL opportunities for gainful employment.
- **Standards 3.1-3.4 |** Invite college recruiter as a guest speaker to focus on employability and college and readiness skills.
- **Standard 4.1-4.3 |** Have the students work with an accountant or bookkeeper to evaluate data sets need to make financial recommendations.
- **Standard 5.1-5.3** | Invite an industry representative with safety compliance responsibilities as a guest speaker.
- **Standards 6.1-6.2** | Visit a local industry to discuss the impact of the different sectors of the agriculture industry.
- **Standards 7.1-7.2 |** Have students work with a mentor to solve workplace problems.

Course Description

Supervised Agricultural Experience (SAE) is the delivery model for Work-Based Learning (WBL) used in approved AFNR programs. It consists of two levels, Foundational and Immersion. Foundational SAE are career generic and focused on career exploration & planning, personal finance, workplace

safety, college and career skills and general agricultural literacy. Foundational SAE meets CTE Career Exploration and Planning expectations. SAEs require a documented formal project plan, accurate recordkeeping, and student supervision.

Course Requirements

This course aligns with the requirements of the Work-Based Learning Framework (established in Tennessee State Board High School Policy), with the Tennessee Department of Education's Work-Based Learning Policy Guide, and with state and federal Child Labor Law. As such, the following components are course requirements:

Course Standards

1. Personalized Learning Plan

1.1 Personalized Learning Plan: A student will have a Personalized Learning Plan that identifies their **long-term goals**, demonstrates how the **Supervised Agricultural Experience** (SAE) or **Work-Based Learning (WBL) experience** aligns with their elective focus and/or high school plan of study, addresses how the student plans to meet and demonstrate the course standards, and addresses employability skill attainment in the following areas:

a. Application of academic and technical knowledge and skills (embedded in course standards)
b. Career knowledge and navigation skills
c. 21st Century learning and innovation skills
d. Personal and social skills

1.2 Documentation: A student will develop **portfolios**, or a similar **compilation of work** and **evaluation samples**, that demonstrate employability skills development in the categories above.

1.3 SAE Project: Choose a specific **SAE project** to build knowledge and skills in a particular agriculture area. Articulate how the **knowledge and skills learned in a specific SAE program** will benefit preparation for agriculture- and natural resources-related careers. Conduct at least 90 hours of research, work, or activities related to the chosen SAE project.

2. Career Exploration and Planning of Foundational Supervised Agricultural Experience (SAE) Programs

2.1 Career Opportunities: Describe opportunities and means to achieve related **career opportunities in** each of the **agriculture, food, and natural resources** programs of study that align to career goals.

2.2 Pursuing Career: Identify and summarize the **steps to pursue a career** in agriculture, food, and natural resources. Create a personal plan outlining goals and steps to obtain a career.

2.3 Requirements: Examine the **educational, training, and certification requirements** to secure a career in agriculture careers. Analyze personal skill sets and add to career plan options for attaining the required education, training, and experiences to obtain the career.

2.4 Labor Market: Research and describe careers aligned to each agriculture, food, and natural resources program of study and connect personal interest and skills to a career. Assemble and analyze **labor market data of occupational opportunities** at the local, state, national, and global levels.

3. Employability Skills for College and Readiness

3.1 Personal Responsibility: Define **personal responsibility** and distinguish how it applies **in the workplace and community**. Assess the personal level of responsibility and examine opportunities for improvement.

3.2 Verbal and Non-Verbal Communication: Identify and categorize strategies to ensuring clarity, logic, and professionalism in **verbal and non-verbal communication skills**. Apply techniques to enhance written and visual communications.

3.3 Decision Making: Identify and summarize steps in the **decision-making process** to solve workplace problems. Differentiate the strengths and talents of all team members to formulate an action plan to complete a team-oriented project.

4. Personal Financial Planning and Management

4.1 Personal Financial Management Plan: Research the components of an effective **personal financial management plan**. Explain how these practices can contribute to future financial independence.

4.2 SAE Financial Management Plan: Design and implement an **SAE personal financial management plan** aligned to a Fundamental SAE project. Evaluate and identify recordkeeping systems designed to meet the needs of the financial plan.

5. Workplace Safety

5.1 Protective Equipment: Identify and differentiate the appropriate **protective equipment** including personal protective equipment for the safe use and operation of specific tools and equipment associated with agricultural occupations.

5.2 Operation, Storage, and Maintance: Interpret operating instructions related to the **operation, storage, and maintenance of tools and equipment** related to agricultural occupations. Assess and demonstrate appropriate operation, storage, and maintenance techniques for tools and equipment.

6. Agriculture Literacy

6.1 Current Trends: Research and analyze **current trends** in agriculture, food, and natural resources programs of study and predict their impact on local, state, national, and global levels.

6.2 Economic Impact: Summarize the components of the agricultural economy. Explain the **economic impact** of the agriculture industry as related to employment and commodities produced.

7. Leadership Skills

7.1 Leadership Skills: Examine the **leadership skills needed for careers in agriculture industries** and engage youth leadership opportunities to practice and develop effective leadership skills, such as teamwork, decision making, problem-solving, critical thinking, and time management.

7.2 Parliamentary Procedure: Demonstrate a working knowledge of **parliamentary procedure**. When appropriate, conduct meetings and facilitate discussions in accordance with Robert's Rules of Order.

Standards Alignment Notes

References to other standards include:

- AFNR: National Agriculture, Food, & Natural Resources (AFNR) Career Cluster Content Standards: Students engaged in activities outlined above should be able to demonstrate fluency in Standards CRP.01-11, CS.01, CS.02, CS.03, CS.07, CS.09, CS.10, and CS.11 at the grade appropriate level.
- P21: Partnership for 21st Century Skills Framework for 21st Century Learning: Students engaged in activities outlined above should be able to demonstrate fluency in 21st Century Themes, Learning and Innovation Skills, Information and Media Technology Skills, and Life and Career Skills.
- Fundamental SAE: Supervised Agricultural Experience (SAE) Philosophy and Guiding Principles: SAE is an essential component of student learning that should be used by every AFNR student.