



Course Title: Principles of Agriculture, Food, and Natural Resources

Lesson Title: Non-Traditional SAE

**TEKS Addressed in Lesson: 130.2.2a-e
130.2.3a**

Lesson Objectives (Student will be able to....) Begin w measureable verb (Not Learn, Know, Understand)

1. Students will be able to describe an SAE project and the categories.
2. Students will be able to differentiate between traditional and non-traditional SAE projects.
3. Students will be able to create non-traditional SAE project ideas.

Tools and Equipment

Non-Traditional SAE project PowerPoint, Texas SAE Builder, exploresae.com, National FFA Website (SAE), National FFA SAE PowerPoint.

Key Terms / Vocabulary

Supervised Agricultural Experience- a practical application of classroom concepts designed to provide “real world” experiences and develop skills in agriculturally related career areas.

Exploratory SAE- experiencing the “big picture” of agriculture and its many related careers.

Entrepreneurship SAE- you are the business owner. You plan and operate an agriculturally related enterprise or business.

Placement SAE- working for someone either for pay or experience.

Research SAE- an SAE where you conduct research using the scientific process.

Supplementary Activities- a specific skill learned outside the normal class time that contributes to the agriculture skills and knowledge obtained by the student.

Improvement SAE- a series of learning activities that improve efficiency, value, use or appearance of the place of employment, home, school or community.

Non-traditional SAE- SAEs outside of the normal scope of traditional agriculture.

Interest Approach/Anticipatory Set

The teacher/facilitator will provide 10 pictures of students participating in various SAE projects. Students will label the images as traditional or non-traditional. After they have labeled the images, students will discuss the pictures and why they chose traditional or non-traditional. This activity will take 5 minutes to complete. This will provide a lead in to the lesson on non-traditional SAE.

Teaching Plan and Strategy / Presentation of New Material

- 1 Teacher Led Discussion on SAE basics.
- 2 Teacher will discuss and define key terms of the lesson utilizing Non-Traditional SAE PPT.
- 3 Teacher will utilize past student projects to provide examples of traditional versus non-traditional.

Activity/Application/ Student Engagement /Laboratory

Students will break in to small groups of 3-5. They will address the following activities:

- 1 Create a description of a “non-traditional” agriculture student. After this, list 5 SAE projects that would be appropriate for this student.
2. Create a description of a “traditional” agriculture student with traditional SAE projects. List 5 non-traditional SAE activities that the student could do that related to his or her SAE project.

Once the groups have formulated responses, they will share the conclusions with the rest of the class. Students will then reflect on the responses they have generated with their classmates.

Evaluation / Summary

Students will complete the Non-Traditional SAE Activity page that will gauge student comprehension and summarize the lesson objectives.

References/Additional Materials / Extended Learning Opportunities/ Enrichment

Non-Traditional SAE project PowerPoint, Texas SAE Builder, exploresae.com, National FFA Website (SAE), National FFA SAE PowerPoint.

College & Career Readiness Standard

X. B. 1. –Use Multiple Representations to demonstrate links between mathematical and real world situations.