Natural Resource Systems Interest In A Supervised Agricultural Experience (SAE)

Ideas for developing a Natural Resources-related SAE

Natural Resources System Overview

- According to the National Council for Agricultural Education, Natural Resource Systems (NRS) is described as:

    … the application of scientific principles and techniques to the management of natural resources.

- Your interest in this area represents a wide range of opportunities related to science in agricultural education.

Areas Of Interest In Natural Resource Systems

- Management of Natural Resources…which could include:

    1. Protecting Natural Resources - conservation

    2. Managing wildlife habitat and related businesses - wildlife management

    3. Other - monitoring and evaluation use of natural resources

- Evaluation of Natural Resources… which could include:

    1. Policy and Regulatory Issues - application of state and federal regulations

    2. Scientific Applications - research in natural resources

Summary Of Skills Associated With Natural Resource Systems

The ability to:

- Apply knowledge of natural resource components to the management of natural resource systems and classification of resources

- Apply scientific principles to natural resource management activities, such as safety, catastrophic plans and conservation

- Production, harvest, process and use natural resource products.

- Manage fires in natural resource systems

- Diagnose plant and wildlife diseases/insect infestation and follow protocol to prevent their spread

- Communicate natural resource information to the public

Connect Your Interests To Your Project

Entrepreneurship	Placement	Research	Foundational
A for-profit venture	A work experience	A research project related to natural resources	A learning experience or career planning
Time is invested	Time is invested	Time and money (if applicable) are invested	Time is invested
Money is invested & at risk; Provides opportunity to learn and possibly profit	Provides opportunity to learn & possibly earn a paycheck	Provides opportunity to learn through a research based question	Provides opportunity to learn through exploring the industry

Natural Resources Systems - Projects Ideas:

Entrepreneurship Examples		Placement Examples	
Wildlife management consultant	…other ideas where your project is related to a business situation, with a goal to develop a profit	Working at recreational wildlife ranch	…other ideas where your project is working within the natural resources systems area
Deer breeding and management business		Working at deer breeding business	
Hunting or recreation guide		Working for the state department of parks and recreational tourism	
Wildlife safety consulting		Working for wildlife management specialist in habitat development	

Natural Resources Systems - Projects Ideas:

Research Examples		Foundational Examples	
Antler growth from feed supplements		Review of the hunting industry in your area	
Quail habitat development techniques	…other ideas where your project is answering a research question	Job shadowing at a wildlife ranch	…other ideas where your project is related to learning
Economic value in rural communities from hunting		Ag issues in the outdoor recreational industry	
Techniques to control feral hog populations		State parks and recreational tourism business development workshop	

Does Natural Resource Systems Align To Your Interest?

- Your project should be:

  1. Based upon your interests

  2. Connected to your agricultural education courses

  3. Aligned to your involvement in FFA activities

If YES, continue to the student examples section. Also, complete the "Explore Your SAE" interactive builder tool and finally, develop an SAE Plan draft based on your results.

If NO, explore another area to determine your interests!