MENTOR SUBJECT AREAS

The selection committee will appoint one mentor in the following areas:
1. Agriscience/ AFNR (Foundation Course)
2. Plant and Horticultural Sciences
3. Animal and Veterinary Sciences
4. Power, Structural, Mechanical Technologies
5. Natural Resources Conservation and Environmental Sciences
6. Agricultural Business and Leadership
7. Food Science
8. Middle School Agriculture
9. FFA and SAE

EXPANDED AREA DESCRIPTIONS

Agriscience / AFNR (Foundation Course) – Introduction to agriculture and agricultural science including all foundation areas of agriculture, food, and natural resources that provide basic agriculture skills and exposure to the pathway

Plant and Horticultural Sciences - the study of plant life cycles, classifications, functions, structures, reproduction, media and nutrients, as well as growth and cultural practices, through the study of crops, turf grass, trees and shrubs and/or ornamental plants

Animal and Veterinary Sciences - the study of animal systems, including life processes, health, nutrition, genetics, veterinary science, management and processing, through the study of small animals, aquaculture, livestock, dairy, horses and/or poultry

Power, Structural, Mechanical Technologies - the study of agricultural equipment, power systems, alternative fuel sources and precision technology, as well as engines, woodworking, metalworking, welding and project planning for agricultural structures

Natural Resources Conservation and Environmental Sciences - the study of systems, instruments and technology used in waste management and their influence on the environment including the study of the management of soil, water, wildlife, forests and air as natural resources

Agricultural Business and Leadership - The study of business principles, including management, marketing, finance, communications, entrepreneurship, leadership, international agriculture

Food Science - the study of product development, quality assurance, food safety, production, sales and service, regulation and compliance, and food service within the food science industry

Middle School Agriculture - Exploratory agriculture content, technology, careers, retaining interest, engaging age appropriate labs, middle school classroom management

FFA and SAE - Motivating and selecting officers, Jr. and Sr. FFA Chapters, training, CDE’s, completing degree and award applications, fundraising, marketing, developing and supervising work based learning experiences