

16. ENVIRONMENTAL & NATURAL RESOURCES

Contest Coordinator:

- A. PURPOSE – Students, as a team, will be provided a scenario that deals with an environmental/natural resource problem. Topics should include, but are not limited to the following:

Soils - Physical Properties, Soil Erosion, Soil Analysis and Environmental Impact of Soil Degradation

Water – Importance of water quality; Factors that influence the Quality of Water; Measure to Ensure Water Quality and Management Practices Used to Ensure Water Quality

Ecosystems – Basic Ecological Concepts; Management of EcoSystems; Grassland EcoSystems; Forestry EcoSystems; Aquatic EcoSystems; Wetland EcoSystems and NonNative Species effect on EcoSystems.

Waste Management – Preventing and Reducing Solid Waste; Disposing of Waste; Manure Management; Hazardous Waste

Environmental Concerns and Issues

Energy

Pollution

Habitat Destruction

- B. OBJECTIVES

- 1) Students competing in the Natural Resources and Environmental Science CDE will complete the following:
 - The Tree Identification Event (This will include questions and forestry tools)
 - The Wildlife Identification Event
 - A written evaluation based on the Applied Environmental Science curriculum published by The Council (25 - 50 questions; multiple choice).
 - Identification of environmental equipment & apparatus (see National FFA Contest Guidelines for a list)
- 2) Depending on availability, students may be required to perform a water or soil test and evaluate results.

- C. ELIGIBILITY

- 1) Career Development Event will consist of two levels of competition
 - Junior Level, grades 6 – 8
 - Senior Level, grades 7 – 12

- D. EVENT RULES

- 1) A team will consist of 4 members.
- 2) All team members' scores will be used to calculate team score.
- 3) Students may compete for awards in Tree Identification & Wildlife Identification while taking part in this event. Teams competing in the Environmental Science CDE will complete the additional stations.

- E. ATTIRE – FFA jacket or state or chapter FFA t-shirt

- F. LOCATION – FFA Building - Friday, September 1, 9:00 a.m.