Forestry Curriculum Guidelines
Canon Envirothon 2011

Forestry Key Points

1F. Identify common trees without a key and identify specific or unusual species of trees or shrubs through the use of a key.

2F. Understand forest ecology concepts and factors affecting them, including the relationship between soil and forest types, tree communities, regeneration, competition, and succession.

3F. Understand the cause and effect relationship of factors affecting tree growth and forest development (climate, insects, microorganisms, wildlife, etc.).

4F. Understand how wildlife habitat relates to forest communities, forest species, forest age and structure, snags and den trees, availability of food, and riparian zones.

5F. Understand how the following issues are affected by forest health and management: biological diversity, forest fragmentation, air quality, aesthetics, fire, global warming, and recreation.

6F. Understand basic forest management concepts and tools such as how various silvicultural practices are utilized, the use of tree measuring devices, and the best use of management practices.

7F. Apply silvicultural concepts and methods to develop general management recommendations and goals for a particular situation.

8F. Identify the complex factors that influence forest management decisions (e.g., economic, social, and ecological).

9F. Understand the value of trees in urban/suburban settings and the factors affecting their health and survival.

10F. Describe specific adaptations of wildlife to their environment and their role in the ecosystem.