

Field Science Units Outline

I. Introduction To Field Science

1. Introduction / Class Rules / Grading
2. Field Safety / Field Journals / Native Aquarium / Terrarium Project
3. Project Timelines
4. Natural Resources Management
5. DNR Employment Opportunities

II. Native Plant & Fungi Identification

1. Plant Identification
2. Trees, Shrubs, & Herbaceous Plants
3. Wild Edibles
4. Arachnid & Insect Classification
5. Insect Tracking & Marking Methods

III. Iowa Department Of Natural Resources

1. Iowa State Parks / Forests
2. Hunting, Trapping, & Fishing Licenses & Permits
3. Recreational Activities (Camping, Hunting, Fishing, Canoeing)
4. Threatened & Endangered Species Of Iowa
5. Invasive Species Of Iowa

IV. Iowa Waterways

1. Iowa Lakes & Rivers
2. Water Quality
2. Iowa Watersheds
3. Iowa Water Treatment & Wastewater
4. Iowa Fish Identification

V. Native Wildlife Identification

1. Native Amphibians & Reptiles Of Iowa
2. Native Birds Of Iowa
3. Amphibian & Bird Calls
4. Bird Nests
5. Native Mammals Of Iowa
6. Animal Tracks & Scat
7. Taxidermy

VI. Iowa Geology

1. Iowa Rocks, Minerals, & Fossils
2. Iowa Soils & Geology
3. Erosion & Soil Conservation
4. Cave Geology