Ecology (Chapters 3-6)

Levels of Org

Biomes (A & T)

Biotic v Abiotic

Feeding Relationships

Energy V Nutrient Flow

Sun, Wind, Currents

Pyramids

Weather v Climate

Thermodynamics

Biogeochemical Cycles

Succession

Range of Tolerance

Earth History & Geological Time

Plate Tectonics & Processes

Evolution & Adaptations

Populations (Chapters 7-10)

Toxicology Terms (LD 50, threshold, etc.)

LDC, MDC, HDC

History of human population

Reasons for growth

Demographic Transition

Age Structure Diagrams

Growth Curves (K v r, Type I, II, III)

Limiting Factors

Patterns of Resource Use

Cultural Influences

Poverty & Diseases

Water & Water Pollution (Chapters 14 & 22)

Cycle (Sources, Location)

Pollution (types, categories, tests, levels)

Overuse/Withdrawal

Diversions/Dams

Irrigation

Eutrophication

Water Treatment

WW Treatment

Atmosphere and Pollution
(Chapters 19 & 20)

Structure of Atmosphere

Pollutant Categories

Primary v Secondary

Clean Air Act (NOSCLP)

Pollution Control

Indoor Air

Thermal Inversion

Acid Deposition

Ozone

Greenhouse Effect

GHG’s

Climate Change

Soil & Soil Pollution

Rock Cycle

Soil Horizons

Soil Formation

Erosion, Salinization, desertification

Agriculture & Irrigation Methods

Pest & Pesticides

IPM

GMO’s

Food production/distribution

Fishing Methods

Sustainable Agriculture

Energy
(Chapters 11-13)

Fossil Fuels & terms

Electricity Generation

Nuclear Power

Plant Overview

Alternative Energy Sources

Biodiversity & Land Resources

Benefits

Threats

ESA

Urbanization

Public v Private Land

US Park System

Waste Management
(Chapter 24)

Waste Disposal

MSW

Landfills

Hazardous Wastes

Superfund

Brownfields

3 R’s

IWM

Recycling Methods