

Subject: Biology

| Topic | QCC Objectives | Time | Resources | Activities | Evaluation |
|--------------------|---|---------|--|--|---|
| Unit 1: Ecology | <p>B.1 Science Process Skills, and Laboratory Safety.</p> <p>B.25 Ecology-Explains the structure of an ecosystem.</p> <p>25.1 Identifies and explains the interactions of biotic and abiotic factors in an ecosystem.</p> <p>25.2 Explains the components of a community.</p> <p>25.3 Traces the flow of matter and energy through a food chain and food webs.</p> <p>25.4 Describes changes that occur in an ecosystem.</p> <p>25.5 Uses the principles of population growth to describe how a population changes.</p> <p>B.26 Ecology (Biomes) Lists and describe the major biomes of the world.</p> <p>26.1 Locates the major biomes.</p> <p>26.2 Compares the major biotic and abiotic factors that distinguish the major biomes.</p> <p>B.27 Ecology (Environmental Issues)</p> <p>27.1 Analyzes the impact of man's activities on the environment and explore ways to help solve the ecological problems.</p> | 20 days | <p>Globe: "Globe Biology" Chapters 35,36,and37</p> <p>Videos:</p> <p>VC# 698 "Everglades-Secret of the Swamp"</p> <p>VC# 399-"Aging of Lakes"</p> <p>Dept#148- "Scientist and the Alaskan Oil Spill"</p> <p>Dept#96-"The Living Desert"</p> <p>Dept#136-"Rain Forest"</p> <p>Dept#35-"Cities of Nature"</p> <p>Dept#37- "Community of Life"-</p> <p>Dept#83- "Introduction to Ecology"</p> <p>Dept#114-"Natural Balance of</p> | <p>Chapter 35,36, and 37</p> <p>Lecture Notes/Class</p> <p>Discussion/Flash Cards</p> <p>Chapter 35:</p> <p>Enrichment worksheet 40</p> <p>Activity Worksheet 35-1</p> <p>Enrichment worksheet 41</p> <p>Activity Worksheet 35-2</p> <p>Color Transparency #24</p> <p>Enrichment Worksheet 42</p> <p>Skills Worksheet 53</p> <p>Lab 35-1</p> <p>Lab 35-2</p> <p>Section Review Worksheets and Chapter Vocabulary Worksheets and Unit Reviews</p> <p>Have students draw food chains, food webs, and energy pyramids</p> <p>Chapter 36:</p> <p>Enrichment Worksheet 43</p> <p>44</p> <p>Activity Worksheet 36-1</p> <p>Color Transparency 24</p> <p>Lab Skills Worksheet 5</p> <p>Lab 36-1</p> | <p>1. Homework grades</p> <p>2. Lab Grades</p> <p>3. Class grades</p> <p>4. Biome Project</p> <p>5. Quiz Grades</p> <p>6. Test-Chapters 35,36,and37</p> |