

**Environmental Science
Pacing Guide
Spring Semester**

Chapter 5 Water (15 days)

Resources: Holt, Environmental Science; Department Video “The Water Cycle;” Department Video #93 “Scientists and the Alaskan Oil Spill; LaMotte Water Testing Kit

Activities:

1. Discussion of water composition and water usage
2. Video “The Water Cycle”
3. Study Guide, Chapter 5, Sections 1, 2, 3\
4. Note son surface water, groundwater, solutions to water shortage
5. Lab: Personal Daily Water Usage
6. Section Review, page 130 #1-3, page 139 #1-4, and page 142 #1-3
7. Note son freshwater pollution, point and non-point pollution
8. Lab: Dragonfly Pond
9. Lab: Testing Water Quality
10. Notes on ocean pollution
11. Video: “Scientists and the Alaskan Oil Spill”
12. Chapter Review, pages 144-145, #1-11, 15, 17
13. Test over Chapter 5

Evaluation:

1. Study Guide
2. Section reviews
3. Lab grades
4. Chapter Review
5. Test over Chapter 5

QCC Objectives:

ES 14	Describe the properties of water
ES 14.1	Identifies sources of drinking water
ES 14.5	Analyzes the quality of fresh, stream, and pond water
ES 14.7	Investigates the chemical properties of water that make it a universal solvent
ES 15	Identifies major contaminants in water due to natural phenomena and activities of nature, homes, industries, and agriculture
ES 15.2	Demonstrates an understanding of the use of models to relate energy flow in cycling (Chapter 3, Section 2)

Chapter 6 – Air (15 days)

Resources: Holt Environmental Science; Globe Fearon Physical Science; Microslide Activity #89 Air Pollution; Air Pollution Test Kit; Department Video #17