

Fish Iowa!

5-Lesson Fishing Unit -Davis Elementary, Grinnell, Iowa

Overview: This unit will be delivered to all 4th graders in Grinnell as part of the physical education curriculum with support from the classroom teachers to cover two science lessons. Each lesson is 25 minutes.

Lesson #1 *Fish Species*

(Classroom setting)

I. Objectives

- A. The student will understand the history of fishing in Iowa
- B. The student will learn the basic fishing regulations and the need for regulation.
 - a. Fishing licenses
 - b. Seasons
 - c. Length limits
 - d. Catch and possession limits.
 - e. Others
- C. The students will discuss safety issues related to fishing.
 - a. First Aid Kit Contents
 - b. Identifying potential hazards

II. Reference

- A. *Fish Iowa!* Manual
- B. First aid manual

III. Materials

- A. Copies of page “Quick Fishing Facts” worksheet (1 per student)
- B. Current Iowa fishing regulation manual.
- C. First Aid kit
- D. Review sheet 1-1, 1-4 (1 each, back to back)

IV. Activity

- A. Student pairs will read the material on the “Quick Fishing Facts” worksheet using a pair share reading comprehension technique.
- B. Teacher will provide supporting material from Unit #1 of the *Fish Iowa!* manual. (Pages 3-8)
- C. Student pairs will review safety and basic first aid practices useful while fishing. (Pages 9-10)
- D. Students will complete review sheet handouts as they cover the material, will review at the end to check for understanding and to help everyone complete them.

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Lesson #2 *Fish characteristics*

(Classroom Setting)

I. Objective

- A. Students will become familiar with the general characteristics of a fish necessary for species identification.
- B. Students will become acquainted with the senses fish possess and how those senses function.
- C. Students will be able to identify fish species common to Lake Nyanza.

II. Reference

- A. Posters
- B. *Fish Iowa!* Manual

III. Materials

- A. *Fish Iowa!* card game
- B. Fish group posters
- C. Comparison contrast graphic organizer (1each)
- D. Fish anatomy poster
- E. Review sheet 2-1, Handout 2-1 (1 each, copied back to back)

IV. Activity

Students will rotate through 3 stations.

- A. *Fish Iowa!* Card game, "Go Fish!"
- B. Compare and contrast activity using Fish Group posters.
- C. Anatomy of a fish lesson.

Lesson #3 *Casting Introduction*

(Gymnasium or outdoor game field)

I. Objective

- A. Students will learn to rig a line with basic knots
- B. Students will learn to cast safely

II. Reference

- A. *Fish Iowa!* manual

III. Materials

- A. Knot tying boards and demonstration hook
- B. Rods and reels with casting plugs
- C. Tackle box with various terminal tackle
- D. First aid kit
- E. Review sheet 3-1 (1 each)

IV. Activity

- A. Knot tying practice on boards
 1. Improved clinch knot
 2. Palomar not
- B. Overhead casting instruction and practice on game field
- C. Review sheet 3-1 (take back to classroom to complete)

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Lesson #4 Casting practice and competition (Gymnasium or outdoor game field)

- I. **Objective**
 - A. Students will demonstrate casting ability.
 - B. Students will demonstrate safe casting practices.

- II. **Reference**
 - A. *Fish Iowa!* Manual

- III. **Materials**
 - A. Rods and reels
 - B. Casting plugs
 - C. First aid kit
 - D. Various Targets for accuracy and distance.
 - E. Field marking paint
 - F. Measuring tape

- IV. **Activity**
 - A. Review Safe casting practice
 - B. Practice casting toward various target.
 - C. Contest using *Fish Iowa Games* format.

Lesson #5 Outdoor Fishing Practical (Lake Nyanza)

- I. **Objective**
 - A. Students will apply all knowledge and skills learned during our fishing unit in a practical setting.

- II. **Reference**
 - A. *Fish Iowa!* Manual

- III. **Materials**
 - A. Rods and Reels
 - B. Fishing tackle and bait
 - C. First aid kit (1 per group)

- IV. **Activity**
 - A. Students will hike to lake Nyanza. (.75 mile)
 - B. Fishing experience will last 3 hours. (1/2 of grade before lunch [approximately 60 students], 1/2 after)
 - C. Each group of 10-12 will have an adult supervisor.
 - D. All fish will be released back to the lake.