

# Fish Iowa! Unit

## Day 1

### Teaching Objective:

The students will develop a basic understanding of the history of fishing.

The students will learn the basic parts of fishing pole and reel.

The students will learn two basic knots (improved Clinch Knot & Palomar) for attaching line to hook/lures.

### Reference Materials

Fish Iowa Teaching Module –Unit 1 page 3, Unit 3 pages 41-43

Fish Iowa CD

### Materials Needed

Computer/LCD Projector

*Fish Iowa!* CD

Eyebolts (1 per group of 2 or 3)

2’-3’ lengths of rope or twin (1 per group of 2 or 3)

### Description of Activities

1. Describe the *Fish Iowa!* Unit to the class and discuss the overall unit objectives.
2. Introduce today’s activity by questioning students about the history of fishing. Discuss possible reasons and equipment. After discussion use *Fish Iowa!* CD to show history of fishing.
3. After history of fishing of equipment, start to discuss current equipment. Then view *Fish Iowa!* CD about spincasting equipment.
4. Explain that today’s goal is to learn to attach two pieces of equipment just learned about together-the line and the hook.
5. Draw and demonstrate one knot at a time. Students will then be partnered with one or two other people and will then be given time to practice each knot. Students should observe and help one another.
6. Finish class by discussing which knots each group found to be easier to tie. Did they develop any ways of remembering how to tie each knot?

## Day 2

### Teaching Objectives

The students will learn basic overhead casting techniques

The students will be given the opportunity to practice these techniques.

### Reference Materials

*Fish Iowa!* Unit 3(pages 43-52)

*Fish Iowa!* CD

### Materials Needed

Computer/LCD Projector

*Fish Iowa!* CD

Fishing Poles w/safety ends attached to end of line

Hula Hoops

### Description of Activities

1. The class will first discuss the importance of casting accurately.
2. The students will then watch the “casting tips” section of the *Fish Iowa* CD

3. The teacher will demonstrate the tips shown on video.
4. Students will be safely positioned in the gym/outside. With hula hoops being positioned for targets they will be given the opportunity to practice their casting techniques.

### **Day 3**

#### **Teaching Objectives:**

The students will learn the fish families and be able to identify the fish within those.

The students will learn basic fishing regulations and the limits associated with the different fish they have learned to identify.

#### **Reference Materials**

*Fish Iowa!* Unit 2 (pages 25-38)

*Fish Iowa!* CD

Iowa Fish ID Guide

#### **Materials Needed**

Computer/LCD

*Fish Iowa!* CD

*Fish Iowa!* Fish Identification Posters

Iowa Fish ID Guide

*Fish Iowa!* Card Game

2010 Iowa Fishing Regulations

#### **Description of Activities**

1. Students will brainstorm a list of all the fish they believe to be located in the waters of Iowa. As a class we will discuss similarities and differences between these different fish and introduce information about the different fish families.
2. The class will then be divided into six different groups and each group will be assigned a fish family. Each group will be in charge of learning the fish and the identifying characteristics of each within their family. They will then be asked to present this information to the rest of the class. The students will be provided posters, flashcards, and the Iowa Fish ID Guide. I will also ask the students to be able to discuss any limits or regulations associated with the fish in their family. They will be given the Iowa Fishing Regulations to gather this information.
3. Review sheets 2-1 and 2-2 may be used to check for understanding. Class will close with discussion on why regulations and limits are set for fish.

### **Day 4**

#### **Teaching Objectives**

The students will be provided another opportunity to practice overhead casting through Plug Golf.

The students will be given opportunity to experiment with other casting techniques.

#### **Reference materials**

*Fish Iowa!* Unit 3

#### **Materials needed**

Fishing poles equipped with plugs or other safety device attached to end of line

Tee Markers

“Hole” markers

## **Description of Activities**

1. The class will review proper overhead casting techniques and the teacher will once again demonstrate.
2. The students will then be divided into groups of 2-4 and will be taken to “Plug Golf Course.” The students will have an opportunity to practice casting technique by competing on course.
3. For the first nine hole they will only be allowed to do overhead casting. For the final nine holes they will have a chance to experiment with other techniques.
4. Upon conclusion of the competition the class will discuss possible benefits and situations where different casting techniques may be used.

## **Day 5**

### **Teaching Objectives**

The students will apply knowledge gained in previous days by participating in an actual day of fishing at a local pond.

The students will gain hands-on experience and will understand how fishing can be a lifelong activity.

### **Reference Materials**

*Fish Iowa!* Appendix K

*Fish Iowa!* CD

Iowa Fishing Regulations

### **Materials needed**

Permission slips

Transportation

Tackle

Rods & reels

Volunteer supervision/fishing help

First aid kit

### **Description of Activity**

1. The students will be transported to a pond located near our school.
2. Upon arrival we will discuss rules and expectations for the day of fishing. We will also discuss the types of fish located in the pond and what the best techniques/bait may be for catching those fish.
3. Once rules are established and understood the students will be allowed to choose locations around the pond and begin fishing.