

Fish Iowa! Unit

Day 1

Teaching Objective

Students will be able to identify different species of game fish found in Iowa waters.

Reference Materials

Iowa fish ID guide-1/student

Fish group identification poster set (8)

Fish Iowa! Unit #2 (pages 26-33)

Description of Activities

Classroom activity is to be able to identify our game fish in Iowa and then more specifically fish that we might catch at the local quarry.

Have our local DNR fisheries Brian Hayes come in and speak about the different species we might catch at the quarry.

Inquire as to how many have been fishing before, did they identify what they were catching.

Possibly start the *Fish Iowa!* card game.

Day 2

Teaching Objective

Students will be able to identify aquatic habitats of fish and why clean water is important.

Reference Materials

Fish Iowa! pages 4-6

We have soil clay in the 6th grade in the spring-we talk about conservatory practices. Team teach this with Mrs. Dussenbury.

Description of Activities

Talk about where fish can be found

-Habitat areas, ponds, lakes, rivers

-what type of structure or hazards we might encounter

-what type of habitat are we going to find at the quarry

-why is water quality important and

-what we can do to help

If the computer lab is available use the Biodiversity CD.

Possibly bring back a sample of quarry water where we plan to find a fish, and test this in the science classroom.

Day 3

Teaching objective

Students will be able to use the correct terminology to identify a basic spin casting rod, reel and tackle.

Students will be able to tie a basic fishing knot and execute a basic cast.

Materials Needed

eye bolts mounted to 2x4's

length of rope precut 72"

fishing poles

practice plugs

Contact Mr. Barnes

Reference *Fish Iowa!* page 43

Description of Activities

Cover parts of a spin cast rod & reel.

Inspect reels and rods.

Restring – walk out line and rewind.

Next we will practice tying first a clinch knot using our rope and eye bolts – after successfully completing the clinch knot we will practice the Palomar knot.

Have students tie practice plugs on their poles.

Mr. Barnes will demonstrate the perfect pendulum cast.

Students will practice casting access the gym or outside weather permitting.

After all students have learned to cast we will use hula hoops for practice targets in the gym. If we can go outside we will try casting for distance.

Day 4

Teaching objective

Review Day 1 fish identification

Review Day 2 fish habitat where we will be fishing and what fish we may catch.

Students will become familiar Iowa fish regulation – we will discuss the current rules and regulation.

Materials Needed

Fish identification poster

Current fishing regulations

Fish hooks, sinkers, floats

Description of Activities

After review – We will prepare our poles. Students will tie on hook and set split shot and place on floats.

Day 5

Teaching objective

Lets fish.

Students will be able to bait their hook and then cast out successfully.

Always good to remind the fish to cooperate.

Materials Needed

1- pole complete for each student

1- small tackle box to include floats, sinkers, hooks, clipper (1 for each 12 students)

2 dozen worms per group of 12 students.

1 adult with hook, pliers, & first aid kit per 12 students

1 emergency whistle per adult.

Description of Activities

The quarry will be our classroom.

Students will get to actually practicing their fishing skills and hopefully identify their catch.