



WI Fish & Aquaculture Learning Targets

Here is an overview of what your student will be learning this year in WI Fish & Aquaculture.

Fish & Fishing

- Identify the external anatomy of a fish by playing an online matching game.
- Identify the internal anatomy of a fish by filling in the guided note sheet.
- Describe walleye and fishing with a jig by summarizing the information provided in the website and video.
- Describe muskellunge and fishing with a jerk/glide bait by summarizing the information provided in the website and video.
- Describe bass and fishing with crankbaits, spinnerbaits, and worms by summarizing the information provided in the website and additional resources.
- Measure the importance of monitoring trout streams by watching the electrofishing video.
- Distinguish fish species from one another by creating a poster on a fish species.

Waterfowl

- Describe six characteristics of a waterfowl species by creating a table tent.
- Explain how the federal duck stamp program works by visiting the US Fish and Wildlife Service website.

- Identify Wisconsin waterfowl species by using the US Fish and Wildlife Service website and in class models.
- Compare and contrast migratory bird migration lengths by creating and analyzing a bar graph.
- Describe the effect that hunting has on waterfowl conservation by analyzing the regulations of my flyway.

Habitat & Ecology

- Determine key points affecting water quality by answering questions based on a reading.
- Detect common water pollutants by testing for them in a given water sample.
- Determine the best chemical reaction to reduce water contamination by testing various metals reactions with contamination.
- Model how surface water moves by investigating watersheds in a lab setting.
- Model stream erosion by completing a lab.
- Illustrate the water quality enhancing properties of aquatic plants by designing a landscape improvement plan using aquatic plants.

Aquaculture

- Outline the care requirements of a category of species used for aquaculture (plants, finfish, mollusks, crustaceans, alligators and frogs) by creating a presentation in a small group.
- Assess the needs of an aquaponics business by writing a business plan for an aquaponics farm.
- Market an aquaponics business by creating a proposal presentation.

Taxidermy

- Summarize the important facts about the taxidermy industry by creating a booklet.
- Demonstrate taxidermy skills by mounting a panfish.
- Analyze the life cycle of a panfish by creating a report on a panfish species.

Rod Building

- I can create a piece of fishing equipment by installing the handle of a fishing rod.
- I can create a piece of fishing equipment by installing the reel seat of a fishing rod.
- I can create a piece of fishing equipment by installing the guides of a fishing rod.
- I can create a piece of fishing equipment by applying epoxy for an even finish on a fishing rod.