



Texas 4-H Aquatic Science Project

Project Description

The Aquatic Science Project focuses its participants on the life in, on, and around the water and those specific live organisms, plants and animals. This project area overlaps with several other project areas including Water Conservation & Education and STEM.

.....

Youth can dive deep into all aquatic life learning how to conserve, protect, and manage aquatic diversity and their ecosystems.

Basic

- Identification of fish and other aquatic species
- Aquatic habitats
- Water bodies and their sources
- Aquatic species diversity
- Stream characteristics
- Watersheds
- Aquatic food web
- Water quality
- Threatened and endangered species
- Water conservation and stewardship

Intermediate

- Biotic and abiotic features of aquatic ecosystems
- Biodiversity as an indicator of aquatic health
- Weather and climate impacts
- Stream flow dynamics

Advanced

- Aquatic ecosystem functions and services
- Healthy riparian areas
- Macroinvertebrate indicators of water quality
- Leadership and advocacy opportunities

TAKE AQUATIC SCIENCE FURTHER

Project Learning Opportunities:

- 4-H Wildlife Camp
- 4-H Fishing Camp
- 4-H Outdoor Challenge
- 4-H Natural Resources Photography Contest
- 4-H Water Ambassador Program
- Lone Star 4-H Splash Camp
- Wildlife Habitat Education Project (WHEP)
- Texas Freshwater Fisheries Center Fish Art Contest

Resources:

- [4-H Water Projects Explore Guide](#)
- [Texas Aquatic Science \(by Rudolph Rosen\)](#).
- [Investigating Water Curriculum](#)
- [Texas Waters: Exploring Water and Watersheds \(TPWD\)](#).
- [A Guide to Freshwater Ecology](#)
- [4-H Water Projects – Water Filtration and Electro-coagulation Explore Guide](#)

Did you know?

4-H is a club for kids and teens to develop life skills and make friends. Youth can join 4-H in all 254 counties. Everybody ages 8-18 and in 3rd-12th grades can join 4-H. Kids in Kindergarten to 2nd grades can join as Clover Kids. There are 43 different project areas in five project categories: Agriculture & Livestock, Family & Community Health, Leadership & Citizenship, Natural Resources, and STEM.

Want to get started?

First...Contact your County Extension Agent!

- Contact information can be found at texas4-h.tamu.edu > contacts information at the bottom of the page > county offices

Explore more at texas4-h.tamu.edu