



Texas 4-H Water Conservation & Education Project

Project Description

The Water Conservation & Education Project covers a wide variety of important water topics such as physical properties, the water cycle, water conservation, water pollution, water filtration, water planning and water law.

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In this project, you will learn the importance of water to our health, environment, wildlife and economy. Explore books and activity guides that you can choose from depending on your specific water issue interest.

Basic

The entry level participation in the Water Conservation & Education project, for 4-H members of any age, would include:

- Learning about the water cycle
- Learning about the sources of water pollution
- Learning about the Texas lakes, rivers and streams
- Learning about water conservation

Intermediate

After participating in the project for a while, youth may progress their knowledge and skills to:

- Water quality characteristics
- Watersheds
- Waterborne diseases
- Aquatic ecosystems

Advanced

By the time a 4-H member has reached the senior level, they may further expand their experience in the project with:

- Community water planning
- Electrocoagulation for water treatment
- Surface and groundwater law

TAKE WATER CONSERVATION & EDUCATION FURTHER

Project Learning Opportunities:

- Texas 4-H Roundup Science Fair
- Texas 4-H Water Ambassadors Program (senior members)
- Natural Resources Photography Contest
- Texas Freshwater Fisheries Center Fish Art Contest

Resources:

- Explore Guide – Water Projects
- Explore Guide – Water Filtration and Electro-coagulation
- Components of a Community Water System – Lesson Plan
- Components of a Community Water System – Poster
- EnviroScape Water Pollution Lesson Plan
- Freddie the Fish Lesson Plan
- Investigating Water Curriculum
- Pipe Game Lesson Plan
- Stream Table – Lesson Plan
- Stream Table – Build your own Stream Table
- Stream Trailer – Flip Chart
- Stream Trailer – Users Guide and Lesson Plan
- Youth Water Day Template
- Water Bingo Activity – Instructions
- Water Bingo Activity – Call Cards
- Water Bingo Activity – Game cards (30) 1 card per page
- Water Bingo Activity – Game cards (60) 2 cards per page
- Water Cycle in a Bag Lesson Plan
- Water Drops on a Penny Lesson Plan

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

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