

ARIZONA GAME AND FISH DEPARTMENT
WILDLIFE HOLDING LICENSE APPLICATION
Form 2717–A / Addendum
“Trout in the Classroom (TIC) Program”

The goal of the program is to immerse fourth through twelfth-grade students in a science-based, hands-on learning opportunity (classroom setting), with repetitive exposure to trout, their life cycle, and their effects on the ecosystem. This, in turn, will help encourage a lifelong respect for natural resources.

Trout in the Classroom (TIC) is a conservation-focused, natural resource/environmental education program that allows students, throughout the school year to:

- Raise trout from egg to fry.
- Monitor tank water quality.
- Learn to appreciate water resources and the importance of cold-water conservation.
- Begin to foster a conservation way of thinking.
- Begin to understand and appreciate ecosystems.
- Apply science, math standards and concepts to real-world applications.
- Potential to engage in stream and lake habitat study.

One of the many reasons for the program is the diversity of subject matter that teachers can integrate into their lesson plans through raising trout. During the year, each teacher can tailor the program to fit his/her own curriculum needs. TIC is a cross-curricular program that can easily help teachers cover S.T.E.M. (Science, Technology, Engineering, Math) as well as Art, reading, language arts, social studies, Recreation and even Arizona’s history. This creates a STREAM motto. This unique learning experience allows students the opportunity to raise, care for and maintain the trout in their classroom starting in the fall through the end of the school year. At the conclusion of the school year the surviving trout will be delivered by the teachers or by TIC volunteers to designated wildlife rehabilitators.

Teachers commit to ensuring that trout are properly cared for and treated responsibly and ethically.

The TIC program has many interdisciplinary applications and connects all students (urban, suburban, rural) to their community by reinforcing the importance of water and wildlife conservation. Program sponsors and support for teachers in the Arizona Trout-In-the-Classroom program is a combined effort between the Arizona Trout Unlimited Council, Arizona Chapters of Trout Unlimited, Arizona Sportsmen for Wildlife Conservation, Arizona Game and Fish Department, US Fish and Wildlife Service and supporting volunteers.

Additional information required under R12-4-417:

- **Description/diagram of facilities**

An example of classroom setups of a 55-gallon aquarium, related equipment and support by Trout Unlimited volunteers and AZGFD staff can be found at https://test-troutintheclassroom.pantheonsite.io/wp-content/uploads/2022/01/patic_arg_final_2021.pdf.

- **Statement of experience in handling and providing care for the above-listed species**

Teachers and volunteers have experience in raising various species of wildlife and are provided support in raising rainbow trout eggs over the school year Trout Unlimited volunteers in aquarium maintenance, equipment and raising eggs to fish.

- **Statement on how wildlife will be disposed of after activity ends.**

No fish will be released to the environment.

Surviving fish at the end of each school year will be delivered by the TIC teacher or volunteers to wildlife rehabilitators approved by AZGFD at <https://azgfd.maps.arcgis.com/apps/MapSeries/index.html?appid=1a4132aaa0204fb0bb0b972b5f291607>.

- **Educational Holding permits require a copy of the established curriculum.**

The TIC program requires that trout are properly cared for and treated responsibly and ethically.

Teachers sign a statement agreeing to the policies of the AZGFD Wildlife Holding License, Wildlife Holding License Application (Form 2717-A), Wildlife Holding License Report (Form 2717-B) and other regulations as well as agreements with Trout Unlimited to comply with requirements of the TIC program.

Education for the students will describe local, state, and national laws, policies, and regulations when live organisms, particularly non-native species, are included in the science program, as well as the negative impacts and implications of releasing a diseased organism into an ecosystem.

Trout in the Classroom (TIC) also has resources that will be available and used from www.aztic.org and www.troutintheclassroom.org.