

WEBINAR:
INTRODUCTION TO
COLORADO'S TROUT
IN THE CLASSROOM
PROGRAM

Hosted by:

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Agenda



What is Trout in the Classroom?



Program Model and Objectives



Cost and Funding



Equipment



Fish Release/Disease Testing

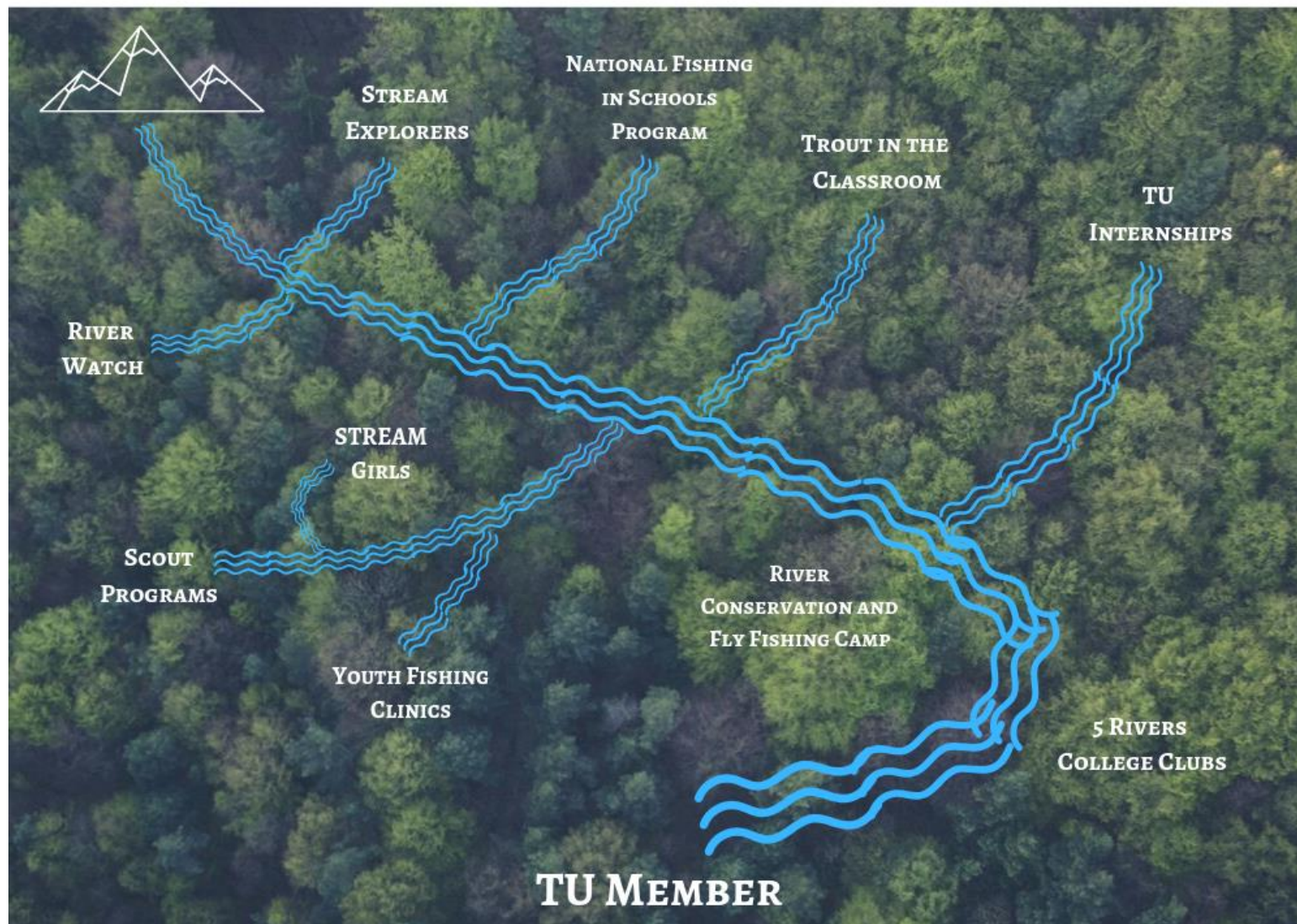


Annual Timeline



Program Resources

STREAM OF ENGAGEMENT

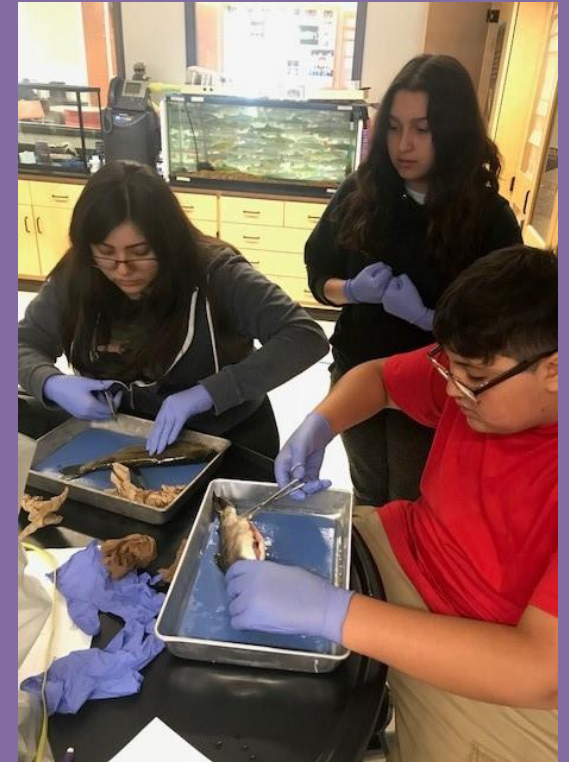




What is Trout in the Classroom (TIC)?

Trout in the Classroom (TIC) is a conservation-oriented, environmental education program for elementary, middle and high school students. Through the school year, students:

- Raise rainbow trout from eggs to fry
- Monitor tank water quality
- Engage in stream habitat study
- Learn to appreciate water resources
- Begin to foster a conservation ethic
- Grow to understand ecosystems



DURING THE YEAR, EACH TEACHER TAILORS THE PROGRAM TO FIT THEIR CURRICULAR NEEDS. THEREFORE, EACH PROGRAM IS UNIQUE. TIC HAS INTERDISCIPLINARY APPLICATIONS IN SCIENCE, SOCIAL STUDIES, MATHEMATICS, LANGUAGE ARTS, FINE ARTS AND PHYSICAL EDUCATION



RAINBOW TROUT JOURNAL

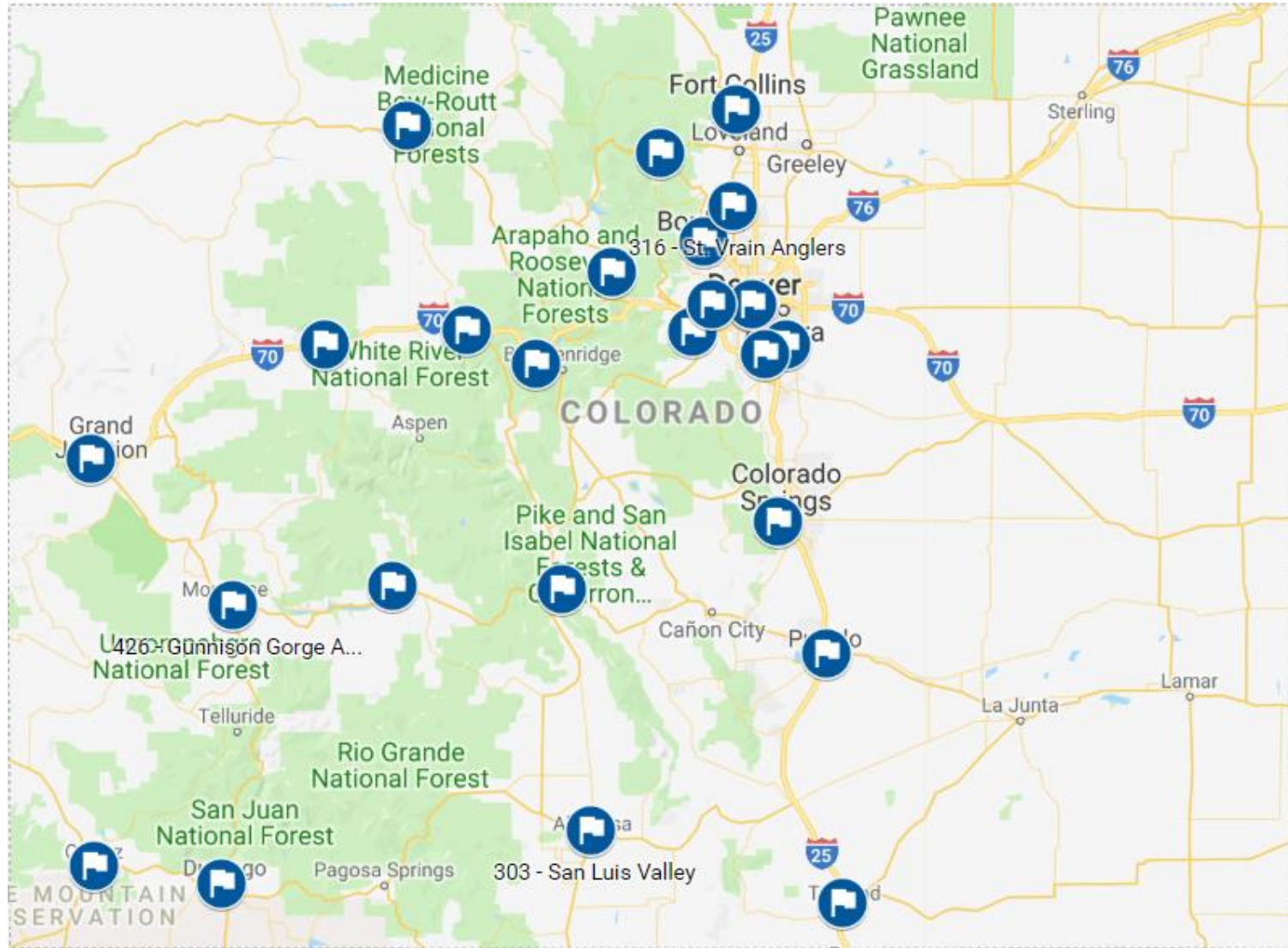


PROGRAMS IDEALLY WILL END
THE YEAR BY RELEASING
THEIR TROUT IN A STATE-
APPROVED STREAM NEAR THE
SCHOOL OR WITHIN A NEARBY
WATERSHED



Program model

The TIC program is primarily planned, led and implemented by the teacher/educator and learning institution. Local Trout Unlimited chapters and Colorado Trout Unlimited are available for financial and technical support, supplementary lessons, and release field trips.



Program Objectives

- Introduce a conservation education program based on the life cycle of a member of the trout species (rainbow trout)
- Foster increased student public knowledge of water quality issues and coldwater conservation
- Include aquatic biology and ecology, watershed management and stewardship, disease awareness, aquarium maintenance, water quality, fish growth and behavior, health and regulatory concerns



EQUIPMENT AND MATERIALS FOR TROUT IN THE CLASSROOM

<https://www.thatpetplace.com/trout-in-the-classroom>

Cost and Funding

Initial Start-up Costs (for one tank set up): ~\$1,400-\$1,600

Breakdown:

Kit #1 from That Pet Place: \$1,161.22

OR

Kit #3 from That Pet Place: \$1,053.13

Additional Equipment: ~\$350

Eggs: \$0-\$150

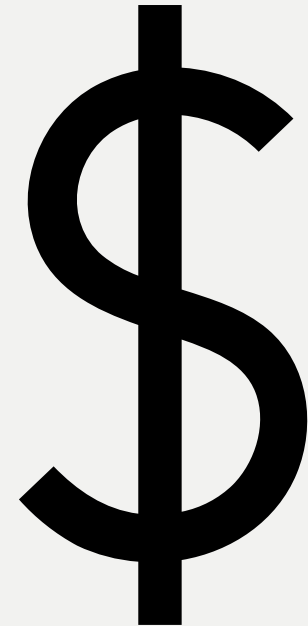
Annual Expenses: ~\$350

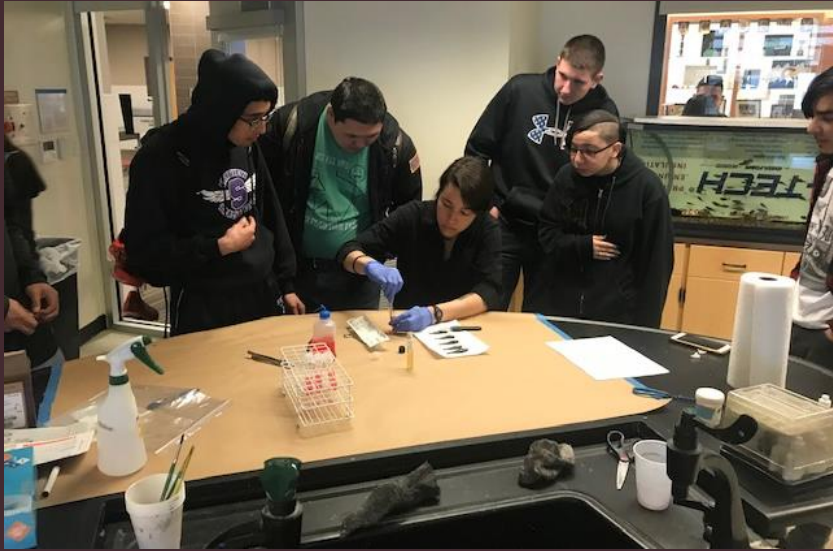
Breakdown:

Replacement Equipment: ~200

Eggs: \$0-\$150

*Food, sampling/testing will be provided through Colorado Trout Unlimited





FISH RELEASE/DISEASE TESTING

Educator/Learning Institutions Roles and Responsibilities



Designate one person as the primary contact for the program



Develop, plan and implement a comprehensive TIC program plan or curriculum



Ensure required testing is coordinated with CPW and CTU with sufficient lead time



Ensure compliance with all applicable CPW regulations and instructions for fish testing

Educator/Learning Institutions Roles and Responsibilities



Provide CTU with copies of developed lesson plans, project photos, assessments and program summaries upon completion of the TIC program curriculum



Obtain and put together TIC equipment and supplies listed in the manual



Maintain and clean tank, chiller and it's accessories with the help of students



Maintain on-site copies of all necessary permits

Student Roles and Responsibilities



Carry out as many trout raising responsibilities as possible such as:



Water quality testing



Maintenance of water quality



Trout feeding and care



Tank maintenance



Partake in trout release/testing



Year end equipment clean up

Annual Timeline

August-October:

- Educators/learning institution sign Memorandum of Understanding with Colorado Trout Unlimited and Colorado Parks and Wildlife
- Equipment is obtained via loan from chapter/CTU or purchased by school and set up in classroom
- Tanks are cycled and tested to ensure that the water chemistry and temperature is adequate to support fish
- Fish eggs are ordered and delivered to the classroom
- Teacher connected with local chapter representative
- Teacher connected with Colorado TIC network

October-February

- Fish are raised by students and educator in tanks located in the classroom
- Teachers offer lessons reflecting TIC program objectives

March-April

- Fish are tested for aquatic diseases in the classrooms
- CTU secures stocking permit from CPW and approval for release into teacher's preferred body of water

May-June

- Fish are released into a pre-approved body of water

TROUT IN THE CLASSROOM IN 2019



500

STUDENTS



More than 500 students throughout the state of Colorado participated in this year's Trout in the Classroom program.

12

SCHOOLS



There are 12 schools in Colorado incorporating Trout in the Classroom into their curriculum.

17

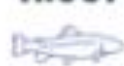
FISH TANKS



Colorado has 17 Trout in the Classroom tanks raising trout.

300

TROUT



Over 300 trout were released into state-approved streams.

Program Resources

[Colorado TIC Manual](#)

[Colorado TIC Facebook Community](#)

[National TIC/SIC Google Group](#)

[Trout in the Classroom Webpage](#)

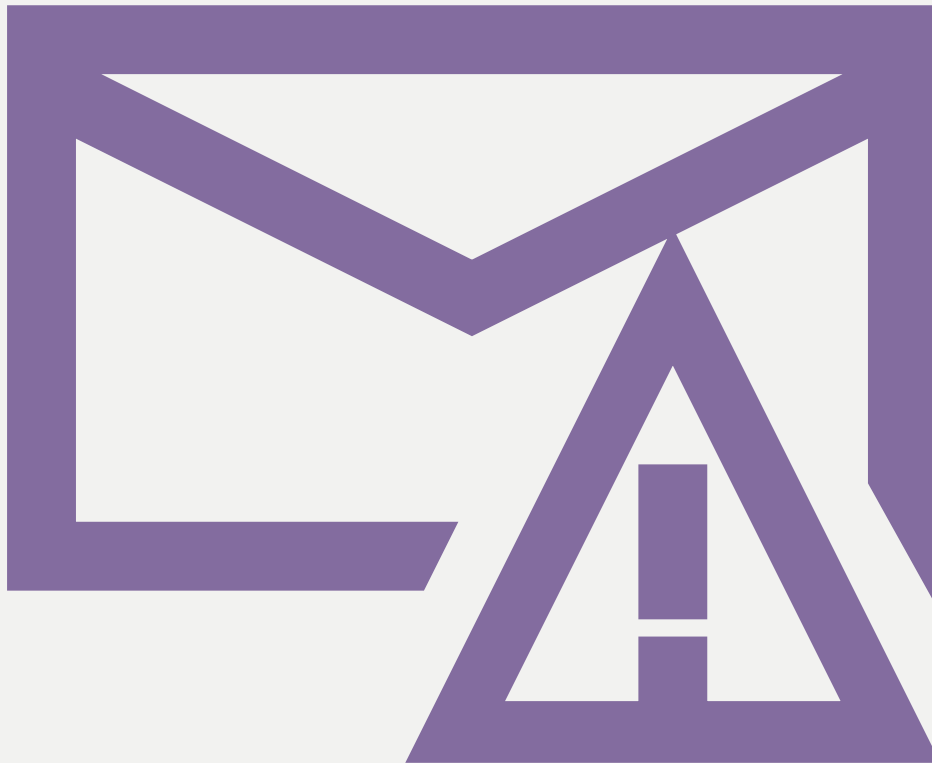
HOW TO GET STARTED?

1. Complete [TIC questionnaire](#) on our website
2. Review TIC program manual
3. Get connected to your local chapter
4. Execute Memorandum of Understanding

You are ready to develop a TIC curriculum and order equipment



QUESTIONS?



Contact Information

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