

Pennsylvania Trout In the Classroom



Program Overview

Pennsylvania Trout In the Classroom (TIC) is an interdisciplinary program that introduces coldwater conservation education in Pennsylvania schools by raising brook trout, a native coldwater species, from eggs to fingerlings.

The program helps to:

- Foster awareness of coldwater conservation in students grades 3–12 and;
- Encourage participation in coldwater resource projects and recreation programs.

PA TIC is made possible through a partnership between Pennsylvania Trout Unlimited, Pennsylvania Fish and Boat Commission, and Pennsylvania Department of Education's Environment and Ecology.

The partnership provides:

- Technical assistance, website and teacher forum;
- Grant opportunities;
- Brook trout eggs and trout food;
- Curriculum, aquarium resources and workshops.

Classroom Objectives

Students will:

1. Raise brook trout by observing and monitoring a coldwater ecosystem in a classroom aquarium;
2. Identify stages of the brook trout lifecycle;
3. Recognize brook trout as “indicator species” for healthy coldwater streams;
4. Describe conditions needed for brook trout survival in your classroom aquarium and in nature.

Getting Started

Step 1: Learn more about PA TIC

Visit www.patrountintheclassroom.org

Step 2: “Partner up”

Find a program partner willing to help you with your program (*i.e. trout unlimited, watershed associations, conservation districts*).

Program partners enhance TIC programs through in-class programs, local watershed projects and technical assistance.

Step 3: Secure funds

Initial program costs = \$1,000—\$1,200.00.

Step 4: Register online

Register by June 11th of each year.

Step 5: Attend a TIC workshop (new teachers)

A TIC workshop is held every June.



TROUT IN THE CLASSROOM TIMELINE

<p>SEPTEMBER</p>	<ul style="list-style-type: none"> • Aquarium set-up • Implement TIC curriculum map and activities • Join the TIC forum/message board
<p>OCTOBER - NOVEMBER</p>	<p>Life Stage: Egg arrival, incubation & hatching</p> <ul style="list-style-type: none"> • Complete egg confirmation form • Begin observation, monitoring and recording of aquarium ecosystem
<p>FEBRUARY</p>	<p>Life Stage: Swim-up fry to fry</p> <ul style="list-style-type: none"> • PATU TIC grant round opens
<p>FEBRUARY - MAY</p>	<p>Life Stage: Fry to fingerling</p> <ul style="list-style-type: none"> • PATU TIC grants due and awarded • Plan release day activities • Release trout into an approved stream
<p>JUNE - AUGUST</p>	<ul style="list-style-type: none"> • Register online for upcoming school year • Complete end-of-year report online • New TIC teachers attend TIC workshop • Conduct aquarium end-of-year clean-up • Prepare for upcoming TIC school year

Curriculum Connections

Participants tailor TIC to fit their classroom needs; therefore, each TIC program is unique.

A variety of activities have been correlated to Pennsylvania’s stat science and math standards, as well as, the environment and ecology standards.

Other subject connections: social studies, reading, writing, arts, geography and physical education.

Funding Opportunities

PA Council of Trout Unlimited provides “start-up” grants for new teachers and “existing” grants to current TIC teachers each year.

More information

PA TIC program

Website: www.patrountintheclassroom.org

Phone: (814) 359-5127

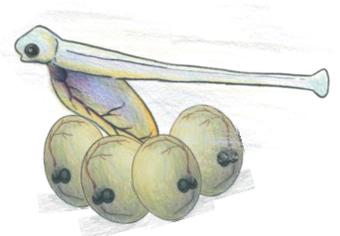
Email: info@patrountintheclassroom.org

PA TIC grant program

Website: www.patrountintheclassroom.org

Phone: (814) 359-5114

Email: info@patrountintheclassroom.org



pennsylvania
DEPARTMENT OF EDUCATION