



Pennsylvania Council of Trout Unlimited 2012 Trout In the Classroom Start-up Grant

Application Deadline: February 24th, 2012

PA Council of Trout Unlimited (PATU) offers a start-up grant opportunity to TU Chapters and other conservation-related organizations to implement the Trout In the Classroom (TIC) program.

- ✓ **Start-Up Grant:** This grant is available to conservation-related organizations who form a partnership with a Pennsylvania teacher; the two entities work together to implement the TIC program. It provides a package of resources to start one TIC program. A cash match of \$350 is required and grantees must purchase their own 55 gallon aquarium and aquarium lid.

TIC is an interdisciplinary program that increases coldwater conservation education in Pennsylvania schools by raising brook trout, a native coldwater species, from eggs to fingerlings. During the year, each teacher tailors the program to fit his or her curricular needs; therefore, each program is unique. TIC has interdisciplinary applications in science, social studies, mathematics, language arts, fine arts, and physical education. Programs end the year by releasing their trout in a state-approved waterway. Pennsylvania's statewide TIC program is made possible through a unique partnership between Pennsylvania Council of Trout Unlimited (PATU), Pennsylvania Fish and Boat Commission (PFBC) and Pennsylvania Department of Education Environment and Ecology section. This partnership provides curriculum resources, workshops for teachers and program partners, technical support, brook trout eggs and food, and grants

TEACHER

Teachers will assist students in reaching the following program objectives:

- ❖ Raise brook trout by observing and monitoring a coldwater ecosystem in a classroom aquarium
- ❖ Identify stages of the brook trout life cycle
- ❖ Recognize brook trout as “indicator species” for healthy coldwater streams
- ❖ Describe conditions needed for brook trout survival in your classroom aquarium and in nature

PROGRAM PARTNER

Program partners will assist students in reaching the following program objectives:

- ❖ Describe the connection between the health of coldwater streams and the health of humans
- ❖ Explore coldwater resource recreation opportunities
- ❖ List types of coldwater conservation projects and volunteer opportunities
- ❖ Recognize challenges of restoring coldwater streams and the importance of coldwater conservation practices

OTHER TIC RESOURCES:

- ❖ **Pennsylvania Trout In the Classroom Website:**
<http://www.patrountintheclassroom.org>
- ❖ **National Trout Unlimited Trout In the Classroom Website:**
<http://www.troutintheclassroom.org>

About **Trout In the Classroom** Start-Up Grant

PATU TIC GRANT TIMELINE

December 19, 2011	Grant round opens
February 24, 2012	Grant is due; Two copies of the application must be postmarked by this date
Early April 2012	Grant awards announced & Assurance Contracts mailed to grantees
May 11, 2012	Assurance Contracts must be returned along with a \$350.00 check written out to PA Council of Trout Unlimited
June 22, 2012	Training workshop for Start-up Grantees. One member from the applying organization and the teacher must attend . TIC Start-up grantees will receive further direction about their grant, instructions, and support materials at the workshop.
September 2012	Grantees will receive equipment for the 2012-2013 school year

TO APPLY

To be eligible for a **Start-up Program Grant**, please provide the following:

1. Two copies of the completed grant application (must be filled out by teacher and program partner)
2. Signature from teacher, principal and program partner
3. Letter of support from teacher, principal, and other program partners

CRITERIA OF A GOOD APPLICATION

Did you?	Item	Did you:
	Grant Application	Provide contact information for the teacher and partner? Explain how you will use equipment and implement TIC?
	Letters of Support	Include letters of support from the teacher, the principal and any other conservation organizations involved with the classroom? These letters should explain how they will implement TIC, use equipment in their daily schedule, work with their program partner, and commit to attend training.
	Signatures	Receive signatures from principal and teacher?
	Partner	Confirm commitment from organization to be a program partner? Program partners must show that they are in support of the program and are willing to commit to help implement TIC.

<p>What?</p>	<p>The grant provides a package of resources to start one TIC program:</p> <ul style="list-style-type: none"> - Equipment: Filter, Tradewind Chiller, water quality test kit, etc. <p>As a TIC participant you will also receive the following for free:</p> <ul style="list-style-type: none"> - Eggs & Feed: Provided by the PFBC - Expertise: PFBC & PATU are available as resources (Technical support, curriculum and aquarium troubleshooting.)
<p>Who?</p>	<p><i>The grant applicant must be a 501(c)3 organization on behalf of a school/teacher</i></p> <ul style="list-style-type: none"> - Organizations (TU chapters, Watershed Associations, Conservation Districts, etc.) who want to promote coldwater conservation through a youth education program.
<p>When?</p>	<p>Beginning the Fall of 2012 and following school years</p>
<p>Program Partner Conditions</p>	<p>Before applying:</p> <ul style="list-style-type: none"> - Must have interested school teacher. - Must have permission from school principal. - Must have identified a state-approved trout stream to release fingerlings into; visit http://www.fishandboat.com/waters_trout.htm for stream classifications. - Must be able to provide \$350 cash match to PATU Council by May 11, 2012 - Provide school with 55 gallon aquarium and lid <p>If funded:</p> <ul style="list-style-type: none"> - Must provide technical assistance as well as in-class and out-of-class instruction that emphasizes coldwater conservation. - Must attend one TIC training on June 22, 2012 if your organization has never attended in the past - Meet minimum Program Partner roles each year (see attached program partner roles)
<p>Teacher Conditions</p>	<ul style="list-style-type: none"> - Incorporate coldwater conservation into curriculum - Care for trout on a daily basis and release trout into an approved waterway - Must complete required PFBC forms (TIC registration, egg confirmation and end-of-year report) - Must attend one TIC training on June 22 (teachers are eligible for Act 48 hours) - Meet minimum teacher roles each year (see attached teacher roles)

Trout In the Classroom Start-Up Grant Application

**** ATTACH ADDITIONAL SHEETS IF YOU DO NOT HAVE ENOUGH ROOM BELOW. BE SURE TO APPROPRIATELY LABEL QUESTIONS****

GENERAL INFORMATION

PARTNERING ORGANIZATION NAME:

ORGANIZATION'S MISSION:

WATERSHED:

- SUSQUEHANNA GENESEE ERIE
 DELAWARE POTOMAC OHIO

COUNTY:

TEACHER:

PHONE:

EMAIL:

NAME OF SCHOOL DISTRICT:

SCHOOL:

ADDRESS:

SIGNATURE OF TEACHER:

LETTER FROM TEACHER YES NO

SIGNATURE OF PRINCIPAL:

LETTER FROM PRINCIPLE YES NO

CONTACT INFORMATION FOR GRANT RELATED CORRESPONDENCE

PARTNERING ORGANIZATION CONTACT PERSON:

ADDRESS:

PHONE:

EMAIL:

SIGNATURE OF ORGANIZATION CONTACT PERSON:

PLEASE ANSWER THE FOLLOWING QUESTIONS:

1. DESCRIBE HOW YOUR ORGANIZATION WILL USE THE PROVIDED TIC EQUIPMENT. BE SPECIFIC.

**2. WHAT ARE YOUR ORGANIZATIONS GOALS FOR THIS TIC PROGRAM (PROJECTS/ACTIVITIES)? IF YOU ARE A CURRENT PARTNER WITH A CLASSROOM, WHAT ACTIVITIES ARE YOU CURRENTLY DOING WITH YOUR CLASSROOMS?
* PLEASE INCLUDE LETTERS OF SUPPORT FROM ADDITIONAL PARTNERS (I.E. OTHER CONSERVATION RELATED ORGS.)**

**3. HOW WILL YOUR ORGANIZATION WORK WITH THE PARTNERING TEACHER TO ENSURE THAT THE TIC CURRICULUM MEETS THE STATE EDUCATION CURRICULUM STANDARDS?
* PLEASE INCLUDE REQUIRED LETTERS OF SUPPORT FROM THE TEACHER AND PRINCIPAL**

4. HOW MANY TIMES DO YOU SEE YOUR ORGANIZATION WORKING WITH THE TIC SCHOOL (I.E. ONCE A MONTH, EVERY OTHER WEEK, WEEKLY)?

5. HOW DO YOU PLAN TO ENHANCE TROUT IN THE CLASSROOM IN FUTURE YEARS (I.E. FLY TYING CLUB, AFTER SCHOOL PROGRAMS, RELEASE DAY EVENTS)?

6. WHAT APPROVED TROUT STREAM WILL THE FINGERLINGS BE RELEASED TO (Visit http://www.fishandboat.com/waters_trout.htm for stream classifications, no fingerlings can be released into Class A or Wilderness Trout streams)

WHO WILL ATTEND THE REQUIRED TROUT IN THE CLASSROOM TRAINING ON JUNE 22, 2012?

***ONLY 1 ORGANIZATION REPRESENTATIVE AND 1 TEACHER PER GRANT APPLICATION WILL BE PERMITTED.**

TEACHER:	PROGRAM PARTNER:
ADDRESS:	ADDRESS:
PHONE:	PHONE:
EMAIL:	EMAIL:

Please send 2 copies of this application postmarked by February 24, 2012, to:

**PA Council of Trout Unlimited
Attn: Samantha Kutskel
PO Box 5148**

Bellfonte, PA 16823



Funds for this initiative have been provided by Pennsylvania Council of Trout Unlimited, PA Fish and Boat Commission and the PA Department of Education.



PA Trout In The Classroom Program Partner Roles



Below are roles for TIC program partners. Although not required, these roles are to be used as guidelines to implement a successful TIC program.

Program partners will assist students in reaching the following objectives:

1. Describe the connection between the health of coldwater streams and the health of humans;
2. Recognize challenges of restoring coldwater streams and the importance of coldwater conservation practices;
3. List types of coldwater conservation projects and volunteer opportunities;
4. Explore coldwater resource recreation opportunities.

Minimum Roles

- Provide a minimum of \$50.00/year for each TIC program your organization works with;
- Appoint 1 individual to serve as your organization's TIC coordinator;
- Meet at least 2 times a year with your partnering TIC teacher (e.g. presentations, site visits, planning);
- Attend at least one TIC event per year (*e.g. release day, open house, watershed field trip, planting day*).

Roles of your organization's TIC coordinator

- Communicate and be available for partnering TIC teacher(s);
- Provide contact information to TIC teacher(s) and the State TIC staff;
- Coordinate events between TIC classrooms and your organization;
- Assist with the completion of yearly TIC forms and grant applications as needed.

Going Above and Beyond

- Assist teachers with planning and conducting field trips related to TIC;
- Get students involved in natural resources through after school fishing clubs, family fishing events, stream projects and/or fishing mentor programs;
- Connect the students to their community. Partner with other organizations to conduct community watershed projects, open house events and/or host a TIC science fair;
- Involve students in your meetings. Invite them to provide a TIC program update.
- Link TIC schools through regional release days, watershed days or classes teaching classes.



PA Trout In The Classroom Teacher Roles



Below are roles teachers are responsible for once committed to the TIC program.

Teachers will assist students in reaching the following objectives:

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.

Minimum Roles (<i>New TIC teachers</i>)	
<ul style="list-style-type: none"> • Attend TIC Workshop for new TIC teachers; • Establish a working partnership with a local conservation organization (<i>program partner</i>); • Raise funds with help from your program partner; • Provide updates at one program partner meeting; • Join TIC yahoo forum; 	<ul style="list-style-type: none"> • Implement TIC program September – June introducing students to the importance of coldwater resources using your TIC aquarium as a “living connection” to local watersheds; • Complete annual forms (<i>registration, egg confirmation, end of year report</i>).

Minimum Roles (<i>Returning TIC teachers</i>)	
<ul style="list-style-type: none"> • Maintain a working relationship with program partner; • Strive to reach TIC objectives using the aquarium and community watershed resources; 	<ul style="list-style-type: none"> • Raise funds to enhance or continue your TIC program (<i>e.g. field trips, community projects, equipment</i>); • Complete annual forms (<i>registration, egg confirmation, end of year report</i>).

Going Above and Beyond	
<ul style="list-style-type: none"> • Present your TIC program and/or studies to other community and/or government organizations; • Participate in a community watershed projects (<i>e.g. tree planting, clean-up, trout habitat project</i>); • Work with students to develop, plan and implement a community “watershed project”; • Work with program partner to provide a “family fishing” event for your students and their families; • Create and maintain a student TIC webpage; • Spread TIC education across other topics (<i>e.g. reading & writing; math; earth sciences; history</i>). 	