

# SafeWaterScience

lessons for life



## What is Safe Water Science?

A science education program intended to raise awareness of global water quality issues. It is comprised of 4 enhancement science lessons designed for 5th through 8th grade students studying an environmental and physical science curriculum.

## Safe Water Science lessons:

- Address scientific and societal issues related to global safe drinking water problems
- Show a method used to solve these problems
- Complement Environmental Science Units on Water Purification.
- Address National Science Standards
- Contain: hands-on activities, cooperative-learning experiences, multi-media resources, and research opportunities
- Use inexpensive, everyday materials
- Explore social action extensions, allowing students to apply the science they learn to the world in which they live.
- Are available for **free** at [www.SafeWaterScience.org](http://www.SafeWaterScience.org)



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## 2010 SUMMER WORKSHOPS

**WEDNESDAY, JULY 21<sup>ST</sup>**

8<sup>AM</sup> – 11:30<sup>AM</sup>

OR

**TUESDAY, JULY 27<sup>TH</sup>**

8<sup>AM</sup> – 11:30<sup>AM</sup>

**P&G**

Go ahead. Get there.  
**Cincinnati State**  
TECHNICAL AND COMMUNITY COLLEGE

**Cincinnati State**  
**Technical & Community College**  
Attn: Martha Brosz  
3520 Central Parkway  
Cincinnati, Oh 45223

Non-Profit Organization  
U.S. Postage  
**PAID**  
Cincinnati, Ohio  
Permit #1218

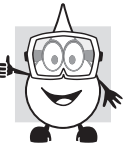


LESSON 1

## Consequences of Drinking Unsafe Water

**Activity 1:** Students explore water quality issues around the world by researching a waterborne illness and sharing results with the class.

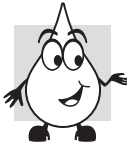
**Activity 2:** Students experience through a hands-on activity how easily illnesses are spread when contaminated water is consumed.



LESSON 2

## Treatment of Water

**Activity:** In an inquiry-based activity, students build and operate a simple filter similar to that used by many local water treatment facilities in the developed world.



LESSON 3

## Availability of Clean Water

**Activity 1:** Students learn about the availability of water in the developing world through a water-hauling activity.

**Activity 2:** Students evaluate their own personal daily use of water.



LESSON 4

## Making Water Safe to Drink

**Activity 1:** In a hands-on activity, students perform the first steps in purifying water.

**Activity 2:** Through a teacher-led activity, students observe how the PUR Purifier of Water product is providing clean, safe drinking water in developing countries and disaster areas around the world. Students learn how the PUR product satisfies all of the steps of water purification.

## Why should you attend a Safe Water Science Workshop?

- To receive a Safe Water Science kit valued at \$50 containing all materials needed for classroom activities, including samples of the PUR powder.
- To experience all of the hands-on activities used in the lessons.
- To receive a Certificate of Attendance for 3 contact hours for continuing education requirements.
- To experience camaraderie and exciting science in a stimulating environment with great instructors.

### When

Wednesday July 21st

8:00 am - 11:30 am

**OR**

Tuesday July 27

8:00 am - 11:30 am

### Where

Cincinnati State

3520 Central Parkway

Cincinnati, OH 45223

### Additional Information

Martha Brosz, Safe Water Science Director

**EMAIL** martha@safewaterscience.org

**FAX** (513) 569.4689 **TEL** (513) 569.1710

### Registration & Fees

Mail the \$10 registration fee and the completed registration form to:

#### Cincinnati State Technical & Community College

Safe Water Science

Attn: Martha Brosz

3520 Central Parkway

Cincinnati, OH 45223

- Please make checks or school purchase orders payable to: **Cincinnati State Technical and Community College.**
- Registration fees are non-refundable.
- If more than one person wishes to register, please copy the registration form and submit one per person.
- A confirmation letter will be sent to each registrant with detailed location information.
- Retain this brochure for date and time information.
- A free lite lunch will be provided.

# SafeWaterScience.org

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**Deadline for Registration is JUNE 30th**  
**Please CIRCLE the ONE you wish to attend:**

Wednesday July 21st — **OR** — Tuesday July 27th

(PREFIX) FIRST NAME LAST NAME

HOME ADDRESS

CITY STATE ZIP CODE

GRADES TAUGHT

SCHOOL NAME

DISTRICT COUNTY

SCHOOL ADDRESS

CITY STATE ZIP CODE

EMAIL ADDRESS

HOME PHONE NUMBER

WORK PHONE NUMBER