



Every 20 seconds, a person in the developing world – usually a child – dies from diseases caused by polluted drinking water. But this heart-breaking issue extends even to rich countries like Canada, where water contaminated by animal waste has been a problem.

Through basic information and challenging activities, these junior high (grade 7-9) science resources are intended to teach students principles around water stewardship and water treatment, while adhering to government education guidelines. Learn about Samaritan's Purse's work helping families get safe water and involve your students in thinking about world water issues and how to solve them.

WATER STEWARDSHIP CLASS PROJECTS

Source: Samaritan's Purse Canada, www.turnonthetap.ca

These project suggestions can be done at any time during your class's exploration of water stewardship issues. However, we recommend students first review the detailed explorations of water treatment methods used around the world, found on this website.

Many of these suggestions can help students apply what they've learned so they can explore solutions to water stewardship in Canada, too.

- How is water made safe for drinking in Canada's cities and towns? Are there any connections between the systems used in this country and the water treatment methods used in developing nations?
- Explore the Walkerton (Ontario) water tragedy of 2000. What happened? Why? What came out of the government investigations of the tragedy? Have there been other incidents of deadly contaminated water in Canada?
- Investigate the water situation in countries where Samaritan's Purse Canada and its partners are working to improve the water supply. In Africa: Uganda, Liberia, Kenya, Ethiopia, Niger and Burkina Faso. In Central America: El Salvador and Honduras. In South America: Brazil and Bolivia. In Asia: Cambodia and Indonesia. What are the problems associated with water in these countries? How did they come about? How serious is the situation? Is it improving or becoming worse?
- Review Canada's bottled water industry. How big is it? Where does the water come from and how is it processed? Is the bottled water sold at grocery stores safer than water from your tap?
- Plan fun activities, such as a tournament, bake sale, or winter carnival, for the entire student population to raise funds to help families in the developing world get safe water through BioSand Water Filters built and installed by Samaritan's Purse Canada. Every \$100 raised pays for the construction and installation of a filter, plus health and hygiene training and follow-up maintenance. Each filter provides the long-term water needs for up to 10 people.