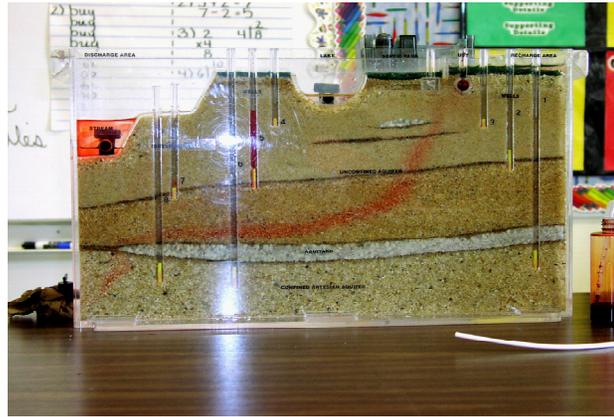


The Benton-Franklin Health District offers education on various water quality issues at no cost and provides all the materials for hands-on activities! All of the activities include lectures, worksheets/lab sheets, vocabulary and games to help reinforce the lesson and help students prepare for the WASL. You can pick as many lessons as you like. Should you want them all, they will work well in the order given.

Want to bring this exciting program into your classroom or community group? Contact JoDee Peyton at 460-4318 or jodeer@bfhd.wa.gov.



Water Olympics. Why do boats float? Can water defy gravity? Your students will explore the nature of water and surface tension by using magnets and a series of experiments. A basic knowledge of atoms and molecules is helpful, but not necessary. This lesson is a great way to start your water unit. Class time is 60 minutes.



Groundwater Model/Well in a Cup.

The groundwater model demonstrates how pollution moves with the water underground. The emphasis of this presentation is to show that what we put on the ground can end up in our rivers, streams, and drinking water. Students will build their own groundwater model with a well in a cup and pollute their system with food coloring, mist it with water for rain and pump the polluted water from their well. Class time is 50 minutes.

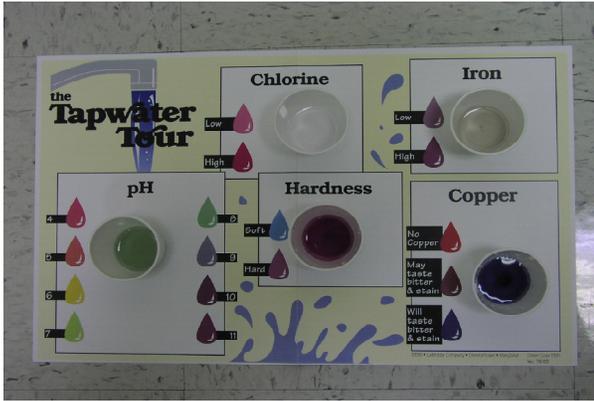
Water Filter. Students learn how nature uses soil and rocks to clean our groundwater and how a water treatment plants cleans surface water using some of the same “natural” techniques. Students work in small groups to build their own water filter. They will treat

“dirty” water in the same manner as a water treatment plant. Class time is 50 minutes.



Enviroscape Model. Using a model of a watershed, students learn the difference between point source and non-point source pollutants, where they come from, how they get into our surface water, how they affect fish and other water life, and what can be done to reduce or prevent the pollution sources. If you are participating in the “Salmon in the Classroom” program -- this is a perfect lesson for you! Class time is 50 minutes.





Tap Water Tour. After you've learned how water is cleaned by the earth and/or a water treatment plant, this lesson teaches students about five components commonly found in our drinking water: chlorine, pH, minerals, copper, and iron; how they get into the water; and why they are important. Students are encouraged to bring a water sample from home and test the water with safe, color changing tablets. Class time is 60 minutes.



Waste Water Tour. What makes useable water turn into waste water? How is water recycled? Using the model above students

explore the various methods waste water can be changed back into useable water. Class time is 60 minutes.

Water Quality. How can you tell if water is "good" or "clean?" What tests do scientists do to find out? What causes water to become polluted? What can be done to reduce and /or stop future pollution of our rivers and streams. This lesson uses a power point presentation to explore water quality. Class time is 50 minutes.

Interested in more? We also offer lessons in:

- Food Safety
 - Recycling
 - Household Hazardous Waste
 - Investigating an Outbreak
 - Bacteria, Viruses and Parasites
 - Meth Labs and Our Community
 - Indoor Air Quality
- ... and many others!

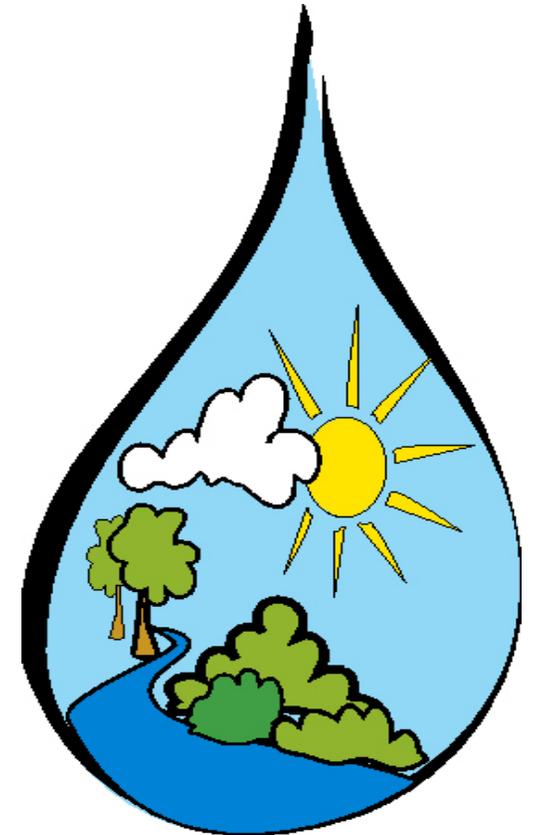
Give us a call to find out more or schedule a lesson.

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Water Quality Education

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