

Bull Trout's Gift



RIF EXTENSION ACTIVITIES FOR EDUCATORS

THINK-TAC-TOE ACTIVITY OPTIONS

- ◆ Individual students can choose an activity to complete.
- ◆ Student pairs or cooperative groups can work together on a choice of their own.
- ◆ Educator can assign an activity for an individual, pairs, or groups.

<p>A RIVER RUNS THROUGH IT</p> <p>Research to find 3-5 major rivers in your state. On the computer or by hand, make a table to show each river's name, location, length, and some types of fish or other animals that live in it. Make a graph to show the differences in each river's length. Draw a map of your state showing your home town and each of the rivers.</p> <p><i>Science, Technology, Art, Math</i></p>	<p>KEEP ME POSTED</p> <p>Imagine that you are in charge of making sure the streams and ponds in your area are clean. Create a poster or brochure that includes 5-10 tips for how to keep our water clean. Be sure to include colorful illustrations! Why is it important for everyone in the community to work to protect our water?</p> <p><i>Science, Art, Writing</i></p>	<p>ON THE SPOT</p> <p>The story of Naqey and Aay is a myth—it explains why or how something in nature happens. Look at the pictures in the book. What do you notice about the bull trout? Write a short story or draw a comic strip to explain how the bull trout got its spots! Draw a picture to go with your story.</p> <p><i>Science, Writing, Art</i></p>
<p>FISHY FACTS</p> <p>Use the book or the internet to make a list of 5 facts about bull trout. Write a story or draw a comic strip based on this prompt: <i>Pretend you are a bull trout. One day you wake up to find your river home is dirty and polluted! What do you and your family do? Do you have to move rivers? Do you get sick?</i> Include your 5 fish facts in the story.</p> <p><i>Science, Art, Writing</i></p>	<p>WATER WEIGHT</p> <p>Experiment to see if rocks can hold water. Write a <i>hypothesis</i>. Then, weigh 3-4 large, dry rocks individually. Use different kinds of rocks. Soak the rocks in water for 30 minutes, then weigh again. Record your data on a chart. Did any of the rocks get heavier? Why might different kinds of rocks absorb more or less water?</p> <p><i>Science, Math</i></p>	<p>FILTRATION STATION</p> <p>Where does our drinking water come from? Research to find how a water treatment plant works. Visit https://www.dcwater.com/virtual-tour to take a virtual tour of a plant. Draw a diagram or build a model to show how a water treatment plant works; label each step of the process. Why do we need water treatment plants?</p> <p><i>Science, Technology, Engineering, Art</i></p>
<p>LEVEE LEARNING</p> <p>The book mentions levees. What's the difference between a levee and a dam? Research to find out. Make a Venn diagram to compare the two structures. Draw and label a picture of each structure. Are there any levees or dams in your area?</p> <p><i>Science, Engineering</i></p>	<p>FIELD WORK</p> <p>Biologists keep <i>field journals</i> to study nature. Pick a natural area outside. Sit in your chosen area for 10 minutes. Write down everything you notice. What kind of plants are there? Animals? Rocks? What do you hear? Smell? What's the ground like? When you get back inside, try to draw a picture of the area using your notes.</p> <p><i>Science, Art, Writing</i></p>	<p>THE ENDANGERED ZONE</p> <p>Visit www.fws.gov/endangered to find endangered or threatened species in your state. Pick 2-3 to research. Why are they endangered? Where do they live? What can humans do to help them?</p> <p>Share your findings in a poster or PowerPoint.</p> <p><i>Science, Technology, Writing</i></p>