



Fishing Line Tug of War Set Up Directions

1. Choose an appropriate location for the tug of war. Be aware of what is behind your participants to ensure safety, as their goal is to snap the line. This works best outside, if at all possible.
2. Check the tug of war rope from the kit. It should have one loop of rope tied to either end of a clump of monofilament fishing line. Check to make sure the connections between the rope and fishing line are strong.
3. Assign a parent volunteer or teacher to supervise the station, reminding that this is not a traditional tug-of-war, but that they are using cooperation and teamwork to break the line.





Fishing Line Tug of War Student Instructions

1. Carefully pick up the fishing line tied to the rope.
2. Find an area near your station that is clear of large objects.
3. Have each person in your group choose a partner.
4. One at a time, have partners line up on opposite sides of the rope.
5. Have partners CAREFULLY but FIRMLY pull on the rope, trying to break the monofilament. You should cooperate with your partner.
6. Let each partner group try.
7. If no one succeeds in breaking the fishing line, split everyone in your station group into two teams and line up along the rope.
8. Teams need to pull in opposite directions to try to break the fishing line.
9. Save time to answer the following questions in your science notebook:
 - What would make it hard for an animal to disentangle itself from fishing line?
 - What are three ways entanglement can hurt an animal's ability to fill its basic survival needs?