



Fire Hose Browser Instructions



Items needed:

- 50' roll of fire hose, any width
- Cutting mechanism: We use an electric fabric cutter, but box cutter or a strong, sharp blade/knife will work
- Colored tape or another way to label the lengths of fire hose
- Drill with drill bit
- 2 each bolts, washers, and nuts; bolts should not protrude too far fire hose. For double jacketed fire hose show here, we use:
 - Bolts: 1.5 inch long / 0.25 inches in diameter
 - Washers: 0.25 inch
 - Nuts: 0.25 inch
- Socket set or wrench and screw driver to secure the bolts and nuts

PREPARATION



Cut couplings off. We use an electric fabric cutter because it's the fastest and easiest way to cut through the material. You can use box cutters or knives as well, it just takes longer. The couplings are typically made of aluminum or brass. They can be recycled or used in other enrichment items.



Fire Hose Browser Instructions

Lay out one 50' roll of fire hose with the ends together. This will lay the hose in half. Go to the bend in the middle of the hose and mark it as the halfway point. You will cut the hose in half here.



You now have two lengths of hose, about 25' each. You will weave these strips together.

Fold one 25' piece of fire hose in half, and then fold the second piece of 25' fire hose in half at the middle of the first



This is an easy way to be sure you start weaving the browser with the two lengths of hose centered on each other.

Unfold one length of fire hose so it is long and flat. The second length of fire hose is folded in half at the middle of unfolded length of hose.



(Full view)



(Close up view)



Fire Hose Browser Instructions

Our instructions will reference colors when referring to which length of fire hose to work with. Label each end of fire hose with a different color of tape. (You can also use paint, stickers, marker, etc.) The point is to make a very clear way to reference each length of hose when you are weaving. We label the strips in alphabetical order with Blue, Green, Orange, and Yellow.

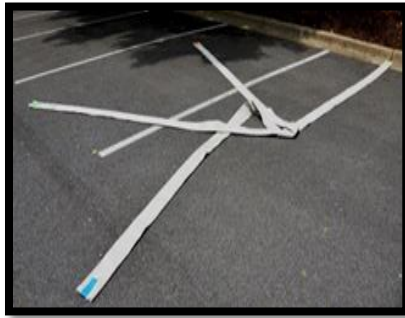
Keep the Blue/Yellow length of hose straight. Form a V with the Green/Orange length of hose as show in the photo below. ***Ensure that the Orange side of the V is over and the Green side of the V is under straight length of hose.***



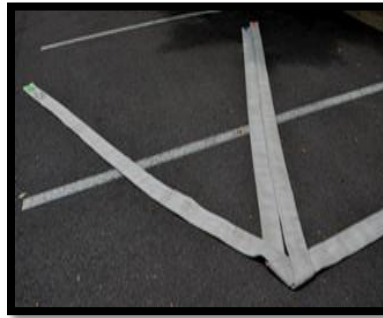


Fire Hose Browser Instructions

STEP 1 (A) Fold the Blue strip under the Green strip. **(B)** The Blue strip will be next to the Orange strip. Color check: The orders of the colored ends are now Green, Blue, Orange, and Yellow. **(C)** This is a close up of what the fold will look like.



A



B

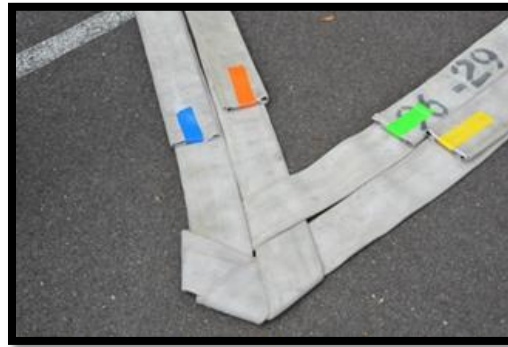


C

STEP 2 (A) Put Green under Blue and over Orange. Green will be next to Yellow. **(B)** This is a close up of what the weave will look like. Color check: The order of the colored ends is now Blue, Orange, Green, and Yellow.



A



B

STEP 3 Blue goes under Orange and under Green and over Yellow. Blue will now be on the far right at a 45 degree angle to the parallel Yellow and Green. Color check: The order of the colored ends is now Orange, Green, Yellow, and Blue.





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STEP 4 (A) Blue goes under Yellow and over Green. Now Blue will be flat next to Orange.

Color check: The order of the colored ends is now: Orange, Blue, Green, and Yellow.

(B) Close up view of the fold. *Note that the weave will begin to become difficult to keep tight. Keep it as tight as possible.*



A



B

STEP 5 Yellow goes under Green, under Blue, and over Orange.

Color check: The order of the colored ends is now: Yellow, Orange, Blue, and Green.



STEP 6 Yellow goes under Orange and over Blue.

Color check: The order of the colored ends is now Orange, Blue, Yellow, and Green.





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STEP 7 Orange goes under Blue, under Yellow, and over Green.

Color check: The order of the colored ends is now Blue, Yellow, Green, and Orange.



STEP 8 Orange goes under Green and over Yellow.

Color check: The order of the colored ends is now Blue, Orange, Yellow, and Green.



STEP 9 Green goes under Yellow, under Orange, and over Blue.

Color check: The order of the colored ends is now Green, Blue, Orange, and Yellow.



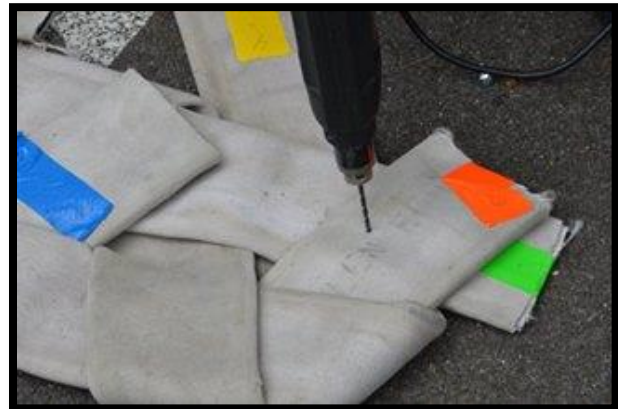


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STEP 10 Return to **STEP 2** and continue from there until one length of fire hose becomes too short to weave.



The end pieces need to be connected to keep the browser from coming apart. The placement of the bolts will vary from browser to browser, depending on the tightness of the weave and other factors. We use bolts, nuts, and washers, using a drill to make the holes for the bolts.





Fire Hose Browser Instructions

Hide the hardware if that is a concern for the animals who will use the browser.



Done and ready for fun!

