

Make 1 and 2: Bottle Carrier Project

Due: Thursday 11/18, 4th period

Friday 11/19, 5th period

With a partner, or alone if you prefer, create, using only cardboard, a container that will carry three of our white plastic bottles containing water. You need something that can hold three bottles (pointing up or sideways is fine) and that has a carrying handle so that it is easy to pick them up and carry them, not having to worry about them falling out. You also need an easy way to get the bottles out once you are done carrying them.



For full credit, please proceed like this:

Step 1: Get some cardboard and a small box cutter, and mock up something that you think will work. Remember, you can only use cardboard (no hot glue or tape for example), so you will probably need to use slots and folds to get this to work. You can also utilize cardboard that is cut half-way through which then is able to bend.

When you have a working prototype, show it to Mr. Hays to get checked off.

Step 2: Sit down at a computer and design your model in Inkscape. Keep your project sized to under 23 inches wide and 18 inches tall (you will need to change the size of your document under Document Properties under the File menu).

Use red lines for cutting and black lines for engraving. Put you and your partner's names on it somewhere in black.

When ready, set all lines to .1 mm stroke thickness. Remember, all cuts need to be red and your name needs to be black.

Step 3: Send the Inkscape file to the laser cutter. Tell Mr. Hays you are ready and he'll get it cut out. Once it is cut out, try to assemble your creation. If it works, awesome, you're done. If it doesn't, figure out what you need to change, add, or remove, and then email to the laser cutter again.

Repeat as needed until you've got a working three-bottle carrier with your name on the side.

Extra points will be given for surprising, creative, and most efficient carriers.