



## Make a Water Wall

Have fun with water by creating your own outdoor water feature using recycled materials like old pallets discarded from a hardware store (nails removed), milk containers, plastic water bottles, buckets, old trays, etc. Watch water flow down your creation. Rearrange materials to further explore your creation and the laws of physics, gravity, and potential energy.

### WHAT YOU'LL NEED

- Section of fence, old wooden pallet, or piece of plywood
- Sandpaper to smooth any rough sections
- Assorted old household items including water bottles/containers
- String or duct tape
- Tap water from a hose or in a bucket
- Optional: adults can facilitate the use of power drill/hammer/nails if needed to attach heavy items to the water wall.

### INSTRUCTIONS

1. Determine the backdrop for your water wall (i.e. an existing piece of wooden or chain-link fence for a stationary water wall, or use an old wooden pallet or plywood to make a more portable water wall).
2. Look for any hazards like old nails and splintered wood.
3. Use sandpaper to smooth out rough wood.
4. Collect old items from your recycling bin or house that can get wet and be modified (cut or hole punched).
5. Decide what materials you can use to attach the items to your water wall (string, duct tape, or with an adult's help: hammer, nails, power drill, screws). Zip ties work great on chain-link fences!
6. Determine where you want to place items based on how you want the water to flow.
7. Once you have your design plan, attach your items.
8. Use a hose, or a large bucket of water with cups, to pour water through your water wall!

