

Do it Yourself Rain Barrels

Created by **Newfane High School Environmental Science**



with Cooperation from:



Supplies

all supplies can be purchased at

Flint Brothers Hardware (Newfane, NY)

- 💧 **Rain Barrel (Can be purchased for \$5 at Mayer Brothers, contact Dave)**
- 💧 **2 inch schedule 40 PVC - 21 inches**
- 💧 **Street 90 elbow schedule 40 PVC**
- 💧 **9X9 inch screen**
- 💧 **45 elbow schedule 40 PVC**
- 💧 **1/2 inch hose bibb valve**
- 💧 **2 inch PVC coupler**
- 💧 **2 inch conduit locknut**
- 💧 **3/4 inch screws x4**
- 💧 **Fender washers x4**
- 💧 **Cinder Blocks**

Tools

- 💧 **Drill**
- 💧 **3/4 inch spade bit**
- 💧 **Jigsaw**
- 💧 **Small drill bit - pilot hole for screws**
- 💧 **2 1/2 hole saw**

STEPS



- 1. Measure/ mark 6 inches from the bottom**
- 2. Drill the hole with $\frac{3}{4}$ inch spade bit**
- 3. Thread the hose bibb until tight**



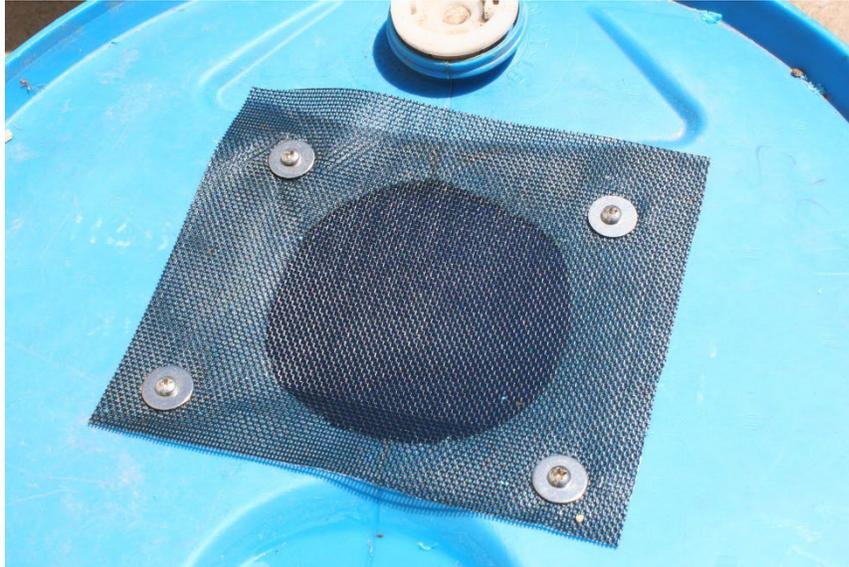
- 4. Cut a 6 inch diameter hole on top off to the side. Position the hole so the gutter can be placed over it.**



- 5. Measure/ mark 6 inches from the top, 90 degrees from the hose bibb. (either side)**
- 6. Cut hole with 2 ½ inch hole saw.**
- 7. Insert threaded end of 2 inch pvc coupler**
- 8. Attach and tighten 2 inch conduit locknut(on the inside)**



- 9. Cut a 21 inch piece of 2 inch pvc pipe**
- 10. Attach street 90 elbow to 2 inch coupler**
- 11. Attach 21 inch pipe to elbow**
- 12. Attach 45 elbow to the end of pvc pipe**



- 13. Cut a 9x9 inch piece of screen (to cover the top hole)**
- 14. Place over hole, and pre-drill one hole in each corner**
- 15. Attach screen with screws and washers (do NOT over tighten)**

Installation Suggestions

- 💧 Be sure ground is level**
- 💧 Place barrel on cinder blocks to increase stability.**
- 💧 Remove barrel during the winter months**

If you have questions contact:

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