**ACTIVITY Take Home Reuse Projects**

**Sub-Irrigated Planter (SIP) from a Plastic Bottle**

Sub-irrigated planters are amazing systems for growing both houseplants and edible plants. SIPs hold reservoirs of water and air inside the planter, giving plants a constant supply of what they need to grow.

**Materials**
- 2-Liter Soda Bottle (or any size bottle)
- Scissors/Sharp Object (point of a knife; for poking drainage holes)
- Potting Mix (or cotton balls)
- Strip of Fabric (felt works best; cotton works as well, but won't last as long)
- Seeds / Seedling / Plant

**Assembly Instructions**
1. Remove label and clean the inside of the bottle.
2. Take a sharp object and poke drainage holes in the top third section of the bottle. Alternatively, you could use a heated metal skewer to make the holes.
3. Pierce a hole in the side of the bottle about half-way down. Wrap a piece of paper around the bottle, take a marker and trace a cutting line line along the
4. Cut along bottle along line.
5. Invert bottle top and insert strip of fabric
6. Make sure that the fabric is in direct contact with the soil (cotton balls).
7. If you have any questions, take a look at the The Singing Seed’s graphic below and on the back

**How to make a 2-Liter SIP (sub-irrigated planter)**

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Adapted from:
Brooklyn seed company and The Singing Seed

For more resources and downloadable Green Team materials, check out the Recycling Champions website
[www.grownyc.org/RCP](http://www.grownyc.org/RCP)
How to make a 2-Liter SIP (sub-irrigated planter)

1. Cut your 2-liter bottle in half.
2. Purfect 3/8” holes approximately 1” apart to the top of the bottle.
3. Add about 3 cups of damp, soil-less potting mix (usually a blend of peat and perlite) mixed with a handful of organic fertilizer.
4. Cut two strips of wicking fabric (we use Pellon Thermolam Plus) 4” inches long and 1” wide and insert into the neck of the bottle.
5. Add water to the base of the planter.
6. Sow seeds or plant a seedling. Water lightly from the top just once to settle them in. The wicking fabric will draw water up to the plant, which conserves water.

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