

King County Green Schools Program

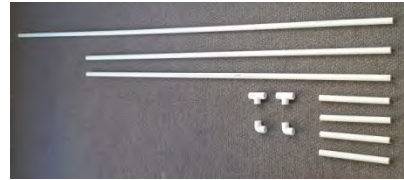


Recycling and waste station sign-holder options for school cafeterias

PVC sign holder: Materials and assembly instruction

1. Cut three 10-foot lengths of PVC pipe into

- one 8-foot length
- two 6-foot lengths
- four 1-foot lengths (*unnecessary if building optional wheeled base*)



(A hacksaw available at Home Depot for about \$10 is a simple tool that can make these cuts.)

2. Press a 90-degree elbow joints onto both ends of the 8-foot length of pipe.



3. Press the 6-foot lengths of pipe into the remaining opening of each 90-degree elbow joint.



4. Press 3-way "T" joints onto the remaining end of each 6-foot length of pipe.



5. Press the four 1-foot lengths of pipe into the remaining openings of the 3-way "T" joints.



6. Completed structure stands as shown. Signs can be hung using zip ties. Each waste and recycling container should be placed directly underneath its corresponding sign:

Garbage, Food scraps/Food soiled paper, Leftover liquids, Recyclable materials.



Note: No glue is necessary to assemble the frame. Glue may be added to improve durability, but then it may be more difficult to dis-assemble and store the station over long school breaks.

Note: Some schools have found free-standing PVC stands unstable. If stand is unstable, try reinforcing the base of the station. For reinforcement tips and variations, see next page.

Materials and price estimates for PVC sign holder

Quantity	Item	Estimated price
3	10-foot length of PVC pipe, ¾" diameter	\$7.29
2	PVC ¾" 90-degree elbow	\$0.84
2	PVC ¾" 3-way "T" joint (<i>unnecessary if building optional wheeled base</i>)	\$0.84
8	Zip ties (sold in pack of 20)	\$2.18
Total cost		\$11.15

Optional bases to reinforce the PVC sign holder

The base of the frame described above can be built on to different bases for mobility and/or stability. This may require purchase of two PVC ¾ four-way cross joints to help secure the base.



Plant dolly



PVC triangle base



Cone base

Other options for hanging signs



Use existing beams or structures



Use yard sticks



String a rope through ceiling tiles

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Disclaimer: This guide does not constitute an endorsement by King County of the companies listed. Exclusion from this guide is no comment on suitability of other companies or products. Cost information is subject to change and reflects the information available when the guide was prepared.



King County

Department of
Natural Resources and Parks
Solid Waste Division