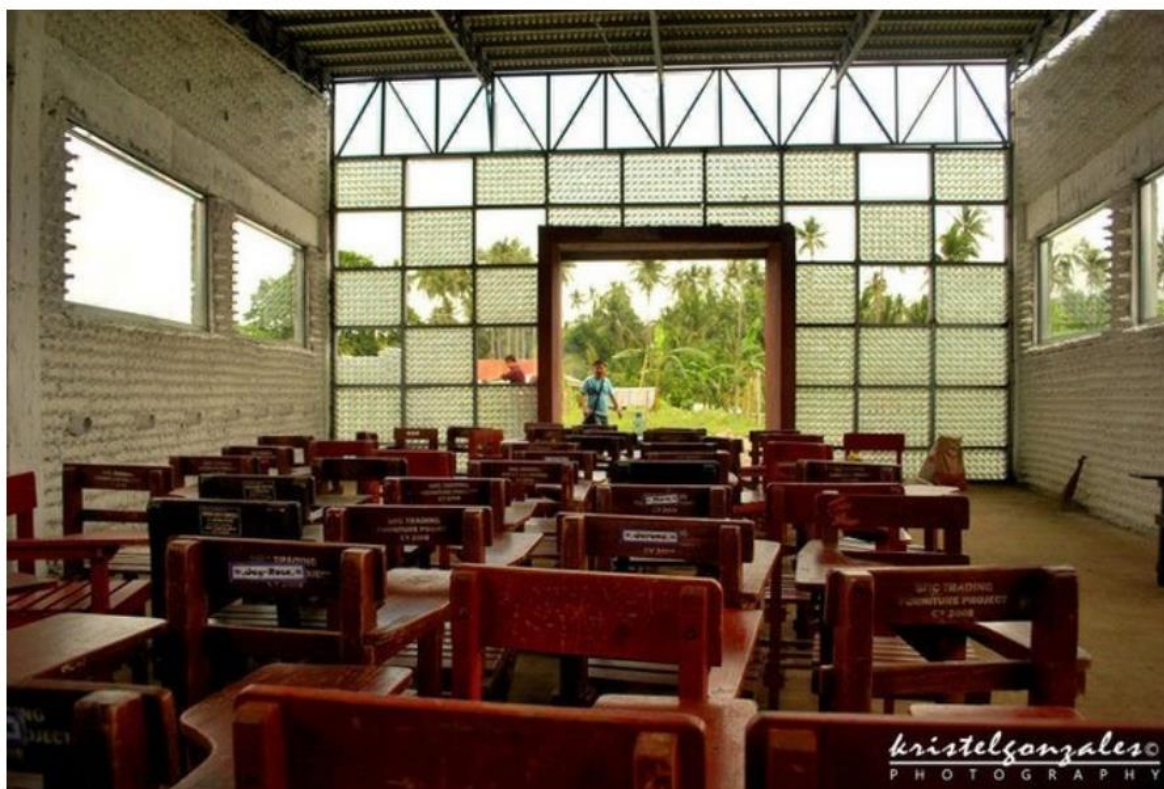
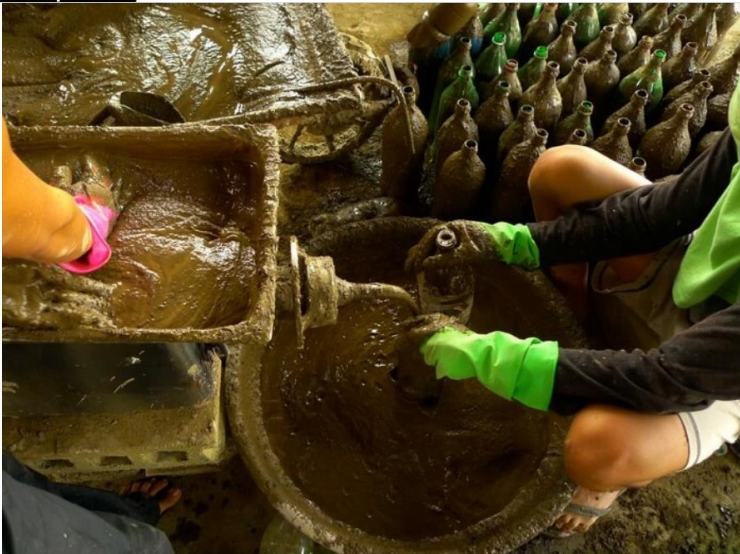


# Pepsi's Plastic Bottle School Project in the Philippines

*Pepsi partnered with the My Shelter Foundation to build this school house made of 9,000 plastic bottles in San Pablo, Philippines.*



*Thousands of volunteers recruited by Pepsi collected the used bottles, helped to raise awareness of the Philippines classroom shortage and participated in building the structure. Pepsi's clean-up campaign website, [sarapmagbago.com](http://sarapmagbago.com) and lots more photos here: [facebook.com/pepsisarapmagbago](https://facebook.com/pepsisarapmagbago) Photo © Kristel Marie Fuentes Gonzales.*



After the 9,000 bottles were collected each 1.5 and 2-litre bottle was filled with adobe (sand, clay, and water with a bit of straw, twigs or manure thrown in). This machine made the filling much easier.

Pic: [1.bp.blogspot.com](http://1.bp.blogspot.com) Video: [www.youtube.com](http://www.youtube.com)



The filled bottles set out to dry...



The building process begins. Pic: [micealiling.com](http://micealiling.com)





String is used to keep the bottles in place as the adobe is being applied.

Pic: [micealiling.com](http://micealiling.com)



A bit more cement will be applied and smoothed out.

Photo © Kristel Marie Fuentes Gonzales



One wall is made of glass bottles.  
Photo © Kristel Marie Fuentes Gonzales



The inside walls were whitewashed.  
Pic: [campaignbrief, bottleschoolproject.org](http://campaignbrief.com/bottleschoolproject.org)

<https://insteadiq.com/blog/plastic-bottle-schools/>



# A Plastic Bottle School in Guatemala



*In Guatemala, visiting volunteers with the help of the community, build plastic bottle school houses using a construction method pioneered by non-profit Pura Vida. The first plastic bottle school in Guatemala was started by volunteers in the Peace Corps and when they ran out of resources they called on Hug It Forward, an NGO that has now helped build numerous plastic bottle schools across Guatemala. [hugitforward.com](http://hugitforward.com)*



## **Building a bottle wall**

### **Bottles**

Students and volunteers stuff the plastic bottles with plastic bags and other insulating trash. More bags fill in the gaps between bottles.



### **Chicken wire**

The bottles were bound between layers of chicken wire, which are attached to a metal frame.

### **Concrete**

Up to three layers of cement mixed with sand were applied to the outside of the bottles, with orange paint adding the finishing touch.

ERIC BAKER/THE OREGONIAN

*First, the students and volunteers stuff the plastic bottles with insulating trash. Each student is asked to collect and fill at least 20 bottles. They stuff each bottle with plastic waste, such as styrofoam, snack wrappers and plastic bags – the more compacted, the sturdier the building blocks and the less garbage remaining on the streets. [flickr.com](http://flickr.com)*

Hugitforward builds bottle schools a different way.

[hugitforward.com](http://hugitforward.com)





Bottles strung to chicken wire on one side. Now the chicken wire will be placed on this side as well. [flickr.com](http://flickr.com)

The stuffed bottles are tied with string to keep them in place. Pictured is the 5th Hug it Forward school, under construction in La Cereza, finished July 2010. [hugitforward.com](http://hugitforward.com)



Plastic Bottle Wall.  
[hugitforward.com](http://hugitforward.com)



Students stuff waste plastic in between the bottles. [flickr.com](http://flickr.com)





The older students are called in for the higher work. [www.flickr.com](http://www.flickr.com)



Applying cement to the inside of the building...

Students help sift the sand, mix and then apply cement that was donated. [www.flickr.com](http://www.flickr.com)



And on the outside... Three layers of cement are applied. [www.flickr.com](http://www.flickr.com)





Neater job = better trowel...  
This is the 5th Hug it Forward school, under construction in  
La Cereza, finished July 2010. [hugitforward.com](http://hugitforward.com)



This school used metal frames instead of cement posts.  
[hugitforward.com](http://hugitforward.com)



This one with a thatched roof. [flickr.com](http://flickr.com)





A cutout. Just a reminder...  
[hugitforward.com](http://hugitforward.com)



The final look – you would never know the main ingredient if they did not leave cutouts...  
[flickr.com](http://flickr.com)