



Jungman STEM Magnet Waste Busters Patricia Orta

Our main goal was to reduce waste in landfills. We took a survey and the results were astounding. Many students do not recycle! Many families do not know how to recycle.

Therefore, our goals were to educate peers, families, and the neighborhood, on methods to reduce waste. Students modeled how to create new items out of old items that would be otherwise thrown away! Students described the steps used in creating a product of their choice from a specific recyclable material.

Students explained the importance of producing and purchasing products made from recyclables in order to “close the loop” in the resource use cycle.

Middle school students made reduce, reuse, recycle coloring books for primary students.

Middle school students read recycling books to primary students.

Students had an energy audit and gave teachers suggestions on how to deduct energy usage in the building.

Middle school students made furniture from plastic bottles and donated to classrooms in order to reduce landfill waste.

Middle school students made Halloween costumes with recycled material.

Middle school students made items like purses, out of plastic bags that would be thrown away.

Middle school students made purses out of juice boxes that would be thrown away.

Middle school students made flowers out of paper taken from the recycling waste.

Middle school students made baskets out of paper.

Middle school students made windmills out of sporks that were collected from every classroom that would otherwise be thrown away.

Middle school students made decorations out of sporks.

Middle school students made decorations out of water bottles!

Middle school students put up their ideas on class dojo/film to encourage recycling and reusing items.

Middle school students made renewable energy brochures to send home for families.

Middle school students made posters of various energy transformations/How Long Does Trash Last? and placed throughout the school building.

Work with very dim light. Encourage parents to use less light for one week



**7th graders reading to the
Kindergarten class about
recycling.**



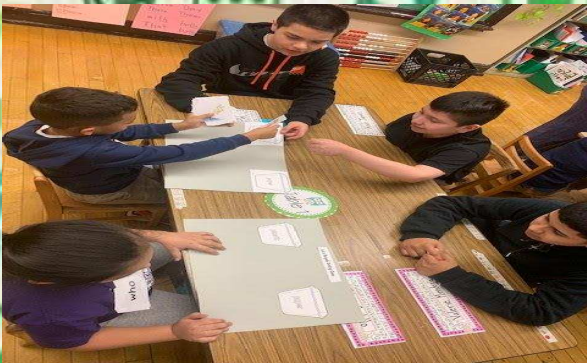


Explaining compost and recycling to the Kindergarteners.

Playing recycling sorting games with Kindergarten!



Learning how to recycle while having fun.



Having

Fun

With
Kindergarten



Our final step!

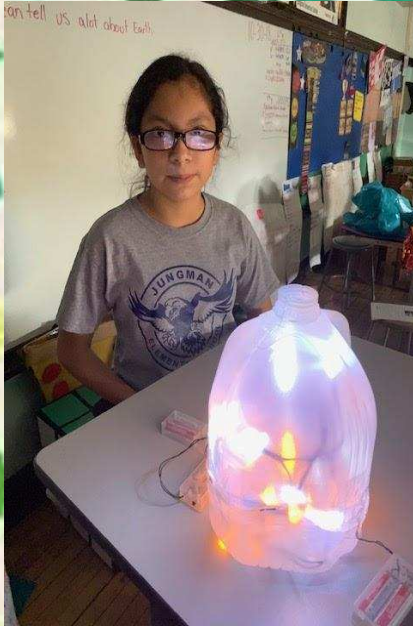


Students collected water bottles that were not being recycled, and made comfy chairs for every classroom !



Students collected water bottles that were not being recycled, and made other useful products!

Light up lamps



Guitar made from cardboard



Decorate clothes w
bottle caps



Purses made from plastic bags.



Decorated bottles. Paper purses!



Raincoats made from trash bags!



Baskets, purses, lamps made by students. They used items that were in the garbage!












**Goods made out
of recycled paper!**






Students made signs and put them up around the neighborhood. Parents & neighbors will know how long an item takes to decompose!

How Long
does it take
to decompose
Certain
Items??

Aluminum Can
 200-500 years
Steel/Tin Can
 80-100 years
Leather boot
 40-50 years
Cotton Rag
 5 months

Paper bag
 1 month
Banana Peel
 3-4 weeks
Plastic Six pack Rings
 450 years

Styrofoam/Glass
  Forever
Plastic bottle
 1 million years

Students made Halloween costumes out of recyclable items.



Baskets made from paper and plastic!

