

# Elementary School of the University of Puerto Rico

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A series of horizontal bars in yellow and white, located to the right of the authors' names, extending towards the right edge of the slide.

# Localization: Rio Piedras





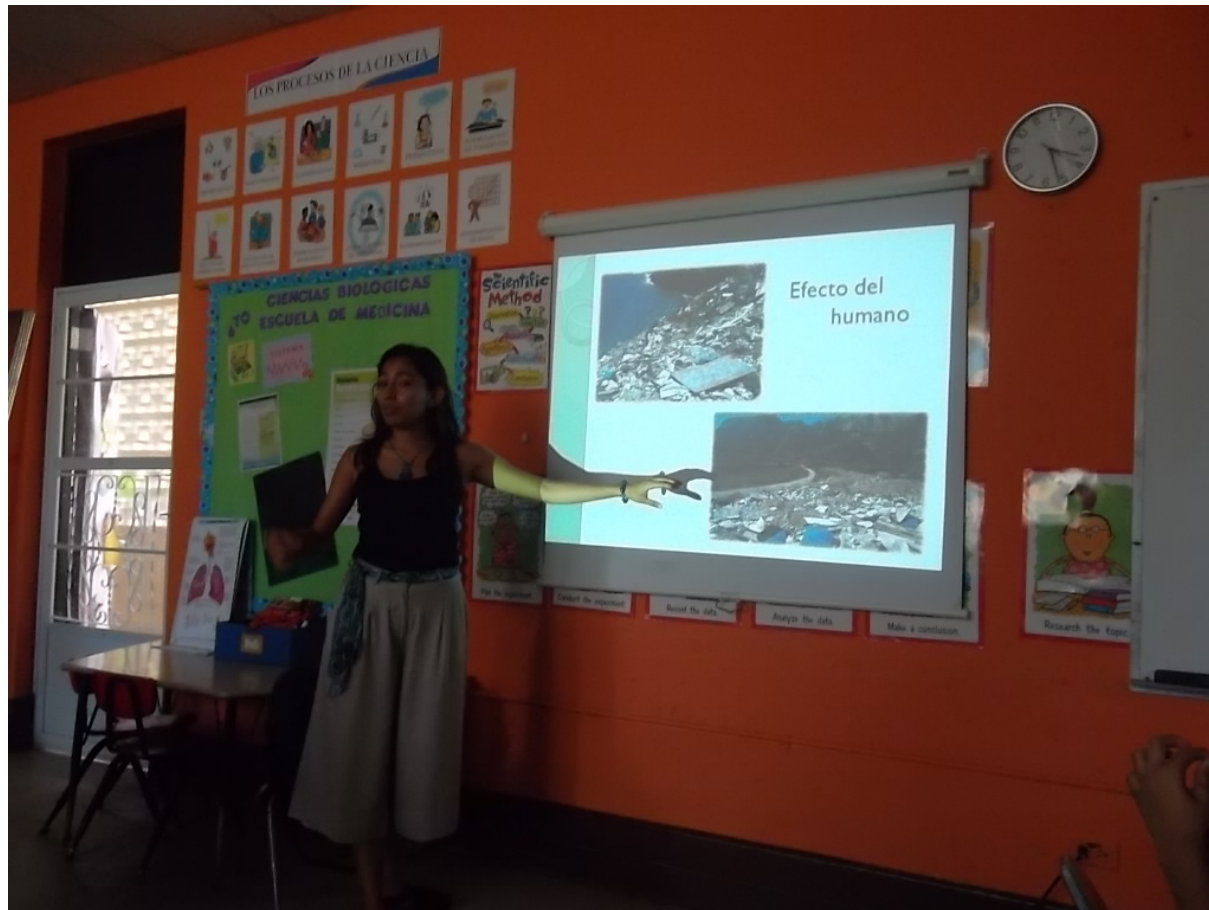
# School Garden



| <b>Type of participants:</b>                          | <b>Amount:</b>                           |
|---|--|
| Teachers  | 2  |
| Science Club<br>Students                              | 16                                       |
| 4th grade students                                    | 40                                       |
| Students participating<br>on Earth Day<br>celebration | 195 (students<br>from K to 6th<br>grade) |



# Science Club



# Showing Nitrogen and Carbon







Owls and Ravens



# Science Club





# Building the compost bins



# Earth Day

















# Recycling/Reuse Workshop





# Painting the compost bins





# Presentation to 4<sup>th</sup> grade





# Nitrogen and Carbon



# Worms





# Playing games-Reviewing concepts



# 4th grade





# Gathering materials to start the composting process









Amount of material that could be deviated  
towards the compost bins (estimation):

$195 \text{ students} * (5 \text{ pounds} / \text{day} * .36) = \mathbf{351}$  pounds of  
compostable material per day

This means **1755 pounds** of organic compostable  
material weekly.

**70,200 pounds** each scholar period.

Our compost bins capacity is **128 ft<sup>3</sup>**



# Things to do...

Average daily weight and volume as well as moisture content and porosity of residues generated in school...

Calculate how much bulking material would be needed for this amount of organic material...

Evaluate if those bins have the capacity to hold all this material...



# Things to take into consideration...

They mentioned they feed pigs with the cafeteria/kitchen residues (reconsider quantities)

Establish direct communication with the personal from the school cafeteria to present the general idea and convince them to cooperate.

The teacher express interest to establish the vermicompost on August.



In process...

