

Whole School Composting

Rise STEM Academy for Girls

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Summary

For their 3rd quarter Project Based Learning, our 5th grade scholars were tasked with creating and starting a composting system for our school. We realized there would be many parts to this including: learning about composting, trying to compost with trial and error, making a plan for the whole school, teaching the whole school, and implementing the plan.


Our teachers brought in experts from Live Green Lex to help us learn about composting, we were given food collection bins and started collecting food waste at lunch, and then we made a plan for the rest of the school. In groups, we presented to each class and told them what composting was and what their role was. We will begin implementation next week!

Project Goals




our goal is to make healthy
compost and also to have good
things in our compost bin

Nuestro objetivo es producir
suficiente abono para todos los
contenedores cerca del campo
grande.



Our goal is to teach our scholars
how to compost and live
sustainably.



Nuestro objetivo es enseñar a
nuestros estudiantes cómo
hacer abono y vivir de manera
sostenible.



How Compost Works



Composting is an oxygen process that converts organic materials into a nutrient-rich soil with using fruits and vegetables and there is a process called decomposition it helps with the decomposition process.



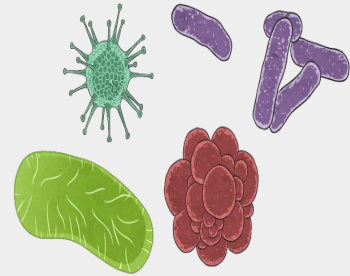
Steps of Composting



Decomposers

Decomposers are insects or mold that help break down the compost food decomposers also keep the compost healthy

Decomposers:



Food collection

There are different things that we put in a compost that are called browns and greens, for example food scraps like fruits and vegetables are the food scraps that we can put in and the browns are yard waste like , hay, leaves, ect.



Remember no citrus fruits like lemons, oranges, etc. Are not aloud in compost.

Our Lunch

TOP COMPOSTABLE FOODS



FROM YOUR LUNCH:

SALAD: (WITHOUT DRESSING)



**BANANAS: (BROKEN DOWN IN TO
PIECES)**



**APPLES: ALSO MOST FRUITS
EXCEPT FOR CITRUSY FRUITS LIKE
ORANGES.**



MOST VEGETABLES

BROKEN UP EGG SHELLS



TOP NON- COMPOSTABLE FOODS



FROM YOUR LUNCH:

MILK OR CHEESE



NO MEAT



NO CITRUSY FRUITS



NO GREASE

NO BONES

NO ONIONS OR GARLIC



What to Compost at Lunch

Every morning the 5th grade scholars are going to look at the lunch menu and work with the cafeteria managers to write down what you CAN put into the food waste containers at lunch. They will have these written on the whiteboard so you know what to put into the bins each day!



Compost Bins



The compost bins that you have are actually food collection bins. So this means you will bring it to lunch everyday and put your classes food waste in the bin. This also means your browns and other things that aren't foods won't go into this bin. Your class will also have to come up with who brings the food collection bin to and from the lunch room. You will leave your food collection bin by the cafeteria doors and a 5th grader will dump it into the compost bin and bring it back to your classroom at the end of the day.



Compost Bins



5th graders will also be responsible for adding browns, adding water, rotating the compost, and helping to use the compost once it is ready.

Using the Compost

We will use the compost we make in our garden beds. We have 50 small garden beds we use for wildflowers because the dirt is not good for growing vegetables. Maybe if we get enough compost, we can use those bins for vegetables someday. We will also use it in our bigger garden beds where our second grade scholars grow their vegetables.

Classwork

What to Compost

and

What Not to Compost

yes compost

no compost



Posters for the Cafeteria

RISE COMPOSTING

WHAT CAN I COMPOST?

YES!	NO!	
<p>FRUIT & VEGETABLE SCRAPS (OR EXPIRED PRODUCE)</p> 	<p>COFFEE CUPS</p> 	
<p>EGG SHELLS</p> 	<p>PASTAS & GRAINS</p> 	<p>MEAT & BONES</p> 
<p>PAPER NAPKINS</p> 	<p>FOOD COOKED IN OIL</p> 	<p>DAIRY</p> 
<p>COFFEE GROUNDS</p> 	<p>RECYCLABLES, NON-BIODEGRADABLE WASTE, & BIO-PLASTICS</p> 	