



How Much Lettuce Can We Grow?

Kindergarten STEM Project
2016-2017

Where Does Lettuce Come From?



To begin our STEM project each kindergarten class did research about the plant lifecycle. We learned that a plant such as lettuce, begins it's life as a seed.

Each class placed their lettuce seeds into Rockwool for 7-10 days. Then the Rockwool was transferred to the tower baskets. Force and motion allows the water pump at the bottom to push water up the tower and gravity forces the water back down to the watering tank. This is how the plant gets nutrients without soil.



SKP2. Obtain, evaluate, and communicate information to compare and describe different types of motion.



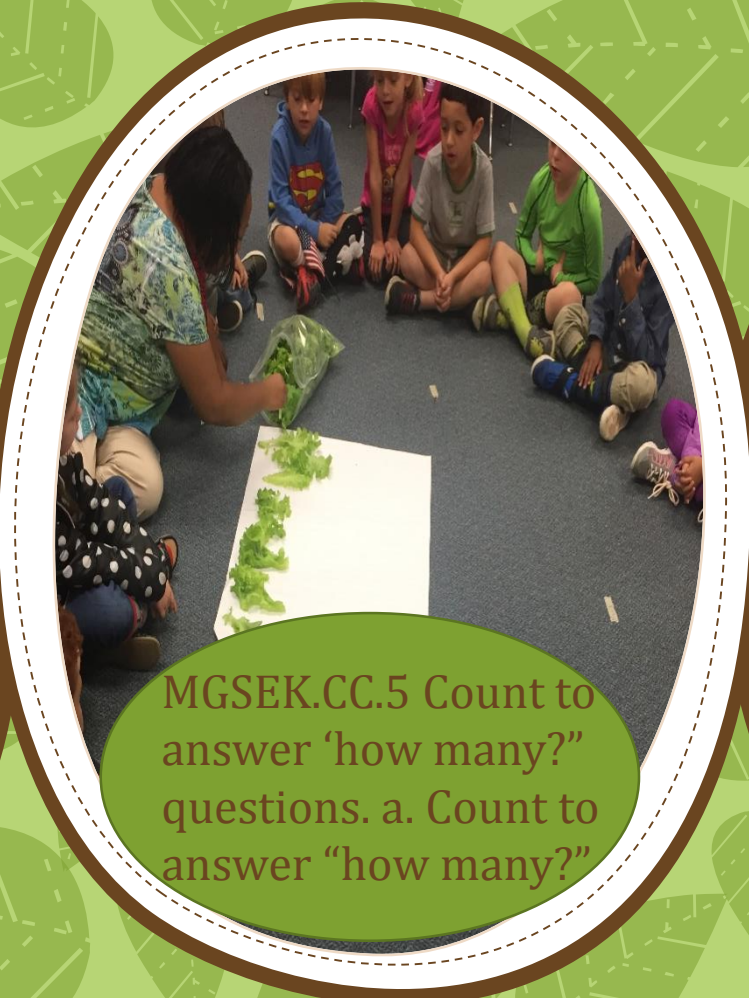
The First Harvest

After 3 weeks, the lettuce was finally ready to be harvested. Each class carefully plucked the mature lettuce leaves and placed them into a bag for storage. During this process there was a great discovery. Some of the plants had NEW lettuce leaves that were beginning to sprout!



How Much Lettuce Did We Harvest?

Each class collected data by counting each leaf that was harvested. The first harvest yielded 1170 lettuce leaves. The harvested lettuce was then put into the refrigerator to keep fresh before being washed and served.



MGSEK.CC.5 Count to answer 'how many?' questions. a. Count to answer "how many?"





**Sensational
Salad Day
with
Parents**





What Did Parents Think About Our STEM Project?

"I love that they are learning science and math concepts through hands on projects. I also appreciate the teachers timing this project with the Fun Run that is raising money for STEM at ESES. It really helps bring the program full circle." - Nancy Schneider

"I am glad my child got to learn a real life skill through the STEM project and even got to enjoy the fruits of his labor."-Mariana Vaughan

"I think the STEM project was wonderful for my child! He comes home weekly and teaches us what he learns (parts of the apple, pumpkin, and all about harvesting lettuce). He enjoys the hands-on projects!" -Rachel Gibbons

"Cool how you are bringing awareness of how things come to be and the purpose of them in their lives." -Mrs. Lundy

