



SOIL

Day 17

Greenest



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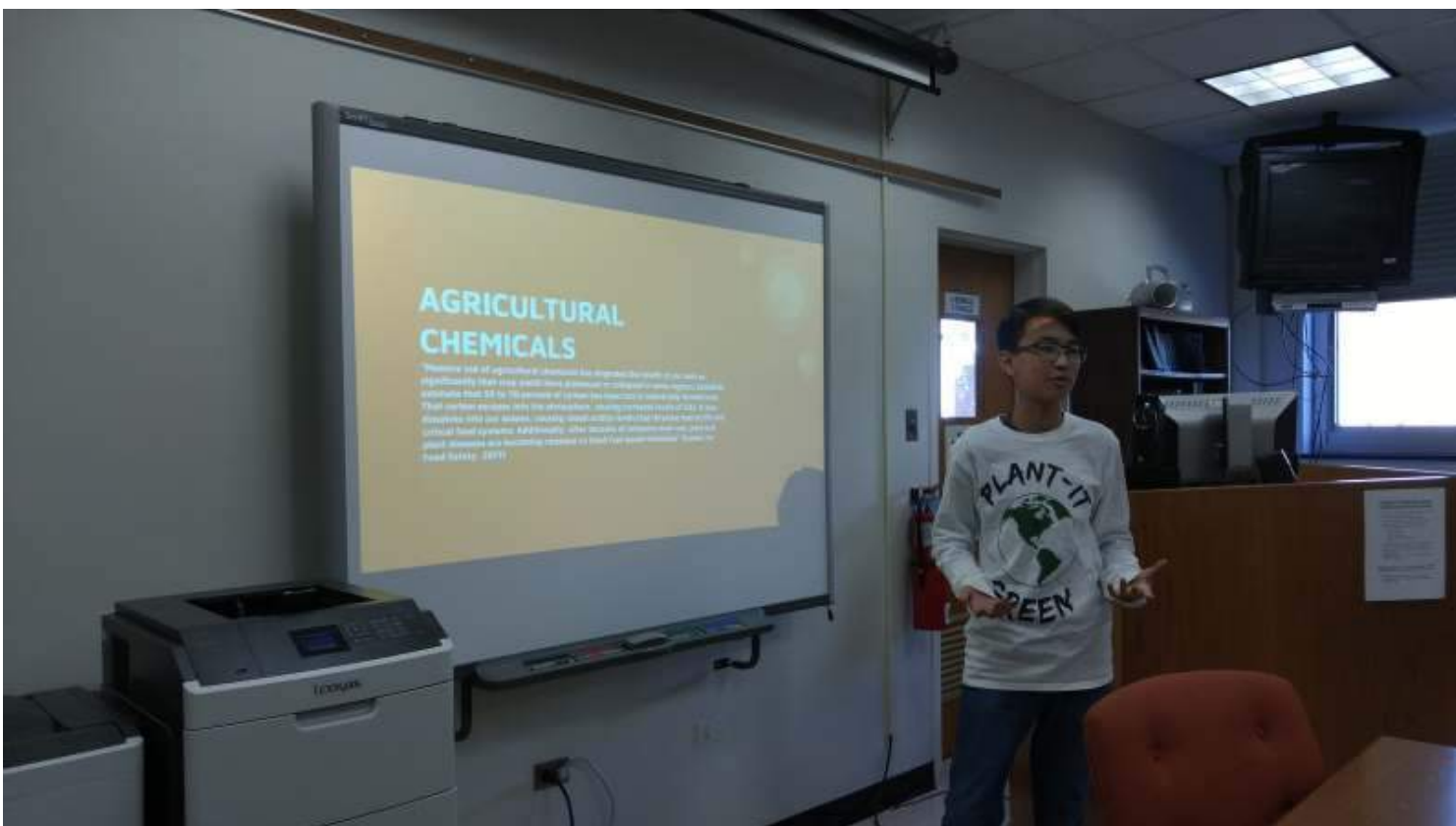
Project **Green** Challenge 2017

REFLECTIONS

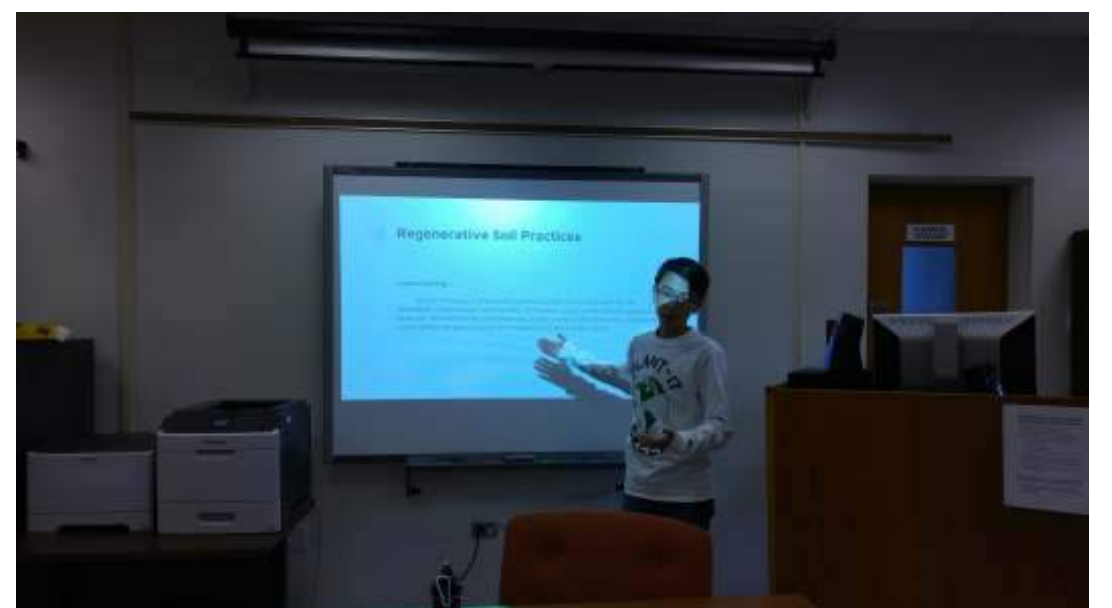
GIVING A PRESENTATION TO CLASSMATES AND FRIENDS WAS A GREAT EXPERIENCE. THE PART THAT MADE IT MOST WORTHWILE IS WHEN OUR FRIENDS CAME UP TO US AND TOLD US THAT THEY TOO WERE INSPIRED TO MAKE A CHANGE. IT MADE US FEEL GREAT THAT WE WERE PAYING IT FORWARD- WE WERE CAUSING AN EXPANDING RIPPLE- A MOVEMENT OF INSPIRED MINDS.

AFTER BEING EDUCATED ON THE GREAT BENEFITS OF SOIL AND COMPOST, WE FELT IT NECESSARY TO SHARE THIS PASSION. ALL OF THE STUDENTS WHO VIEWED OUR PRESENTATIONS WERE EXTREMELY INTERESTED AND MOTIVATED. IT FELT GREAT BEING A TEACHER AND BEING ABLE TO INFORM OTHERS ABOUT A PRESSING PROBLEM IN OUR SOCIETY AND THE WAY TO SOLVE IT (THAT'S RIGHT BELOW OUR FEET!)

PRESENTATION GALLERY



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Presentation Viewers/Listeners

Questions and Reactions:

AFTER OUR PRESENTATION, A STUDENT ASKED US,
"HOW CAN WE IMPROVE CLIMATE CHANGE IF WE ARE
INTERRUPTING WITH THE ECONOMY"

OUR RESPONSE WAS QUITE CLEAR: IT'S NOT ABOUT
INTERFERING WITH JOBS, OR PLACING A BURDEN ON THE
ECONOMY FOR THE SAKE OF HELPING THE CAUSE OF CLIMATE
CHANGE- IT'S ABOUT FINDING THE "BALANCE" BETWEEN
ATMOSPHERIC CARBON OUTPUT AND THE CARBON COMING
BACK. IT DOESN'T NECESSARILY HAVE TO BE A TRADEOFF- IT
JUST MEANS BEING WILLING TO CHANGE: WILLING TO
CHANGE OUR AGRICULTURAL PRACTICES AND WILLING TO
CHANGE OUR LIFESTYLE. IT CAN BE BETTER FOR US AND THE
PLANET AT THE SAME TIME.

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Shared responses...

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”

Who knew soil could reap so many benefits when created and used properly! I learned so much- an informative session to say the least.

”

-Richard Adam



”

I'm so glad that I joined Ben today to learn even more about our environment. I hope to complete more of the challenges in the coming days.

”

-Aaron Lee



”

I'm so glad that the EcoHawks brought up information about regenerative soil practices. It shows that processes such as carbon farming show a good side to soil/agriculture use.

-David Xu

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An inspiring yet motivating presentation- I never knew that soil could reap so many benefits yet harm the environment if not taken care of properly. It's so much more than a place to grow our food.

-Philip Lee

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The PRESENTATION

(a few sample slides from our

GREENER PLAN!)

SOIL

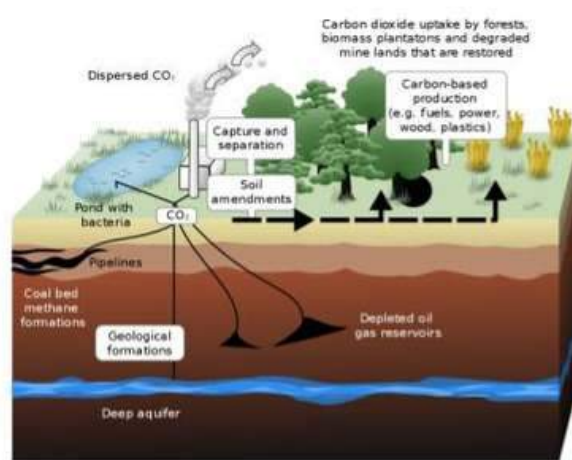
PROJECT GREEN CHALLENGE DAY 17
ECOHAWKS

Regenerative Soil Practices

Carbon Farming-

Carbon Farming is a revolutionary process in which CO₂ is removed from the atmosphere and turned into carbon pellets. This process reaps multiple benefits: greenhouse gases are removed from the atmosphere and climate change is thus decreased, and also the carbon pellets are able to provide key nutrients to farmers and their plants.

PROCESSES



AGRICULTURAL CHEMICALS

"Massive use of agricultural chemicals has degraded the health of our soils so significantly that crop yields have plateaued or collapsed in some regions. Scientists estimate that 50 to 70 percent of carbon has been lost in industrially farmed soils. That carbon escapes into the atmosphere, causing increased levels of CO₂. It also dissolves into our oceans, causing raised acidity levels that threaten marine life and critical food systems. Additionally, after decades of intensive over-use, pest and plant diseases are becoming resistant to fossil fuel-based chemicals" (Center for Food Safety, 2017)

Fertilizer Usage

Fertilizers have a huge potential to negatively affect our atmosphere. It accounts for 60 percent of nitrous oxide emissions! Also, agricultural systems contribute to 30% of the world's GHG's.

50% - 70%

Percent of carbon that has been lost in industrially farmed soils (Center for Food Safety).

Questions?

Feel free to ask any questions!

HOW DO YOU FEEL ABOUT THE IMPORTANCE OF SOIL NOW?

Take the poll at easypolls.net! We want to see the impact we made on you today! Go **GREEN**!