

Demonstration Of Mastery

By Zelin Zhang



OUSD Facilities

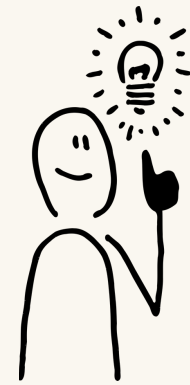
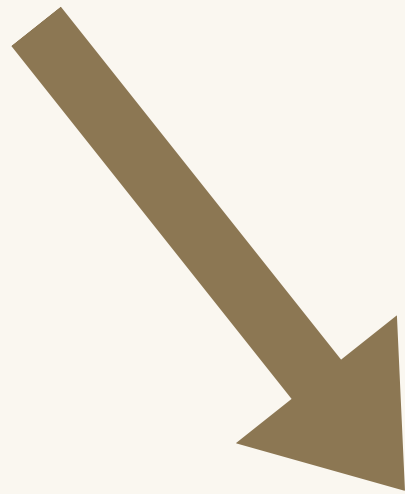
- 955 High Street
- Planning & managing
- Allocating funding for schools
- Making schools more sustainable
 - AC
 - Ventilation



Daily Routine

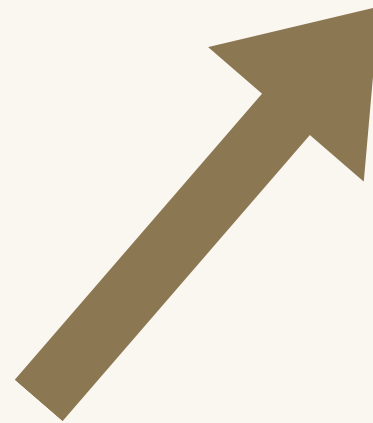
1. Arrival

Get to OUSD
Facilities by 9:00 AM



2. Check in with supervisor

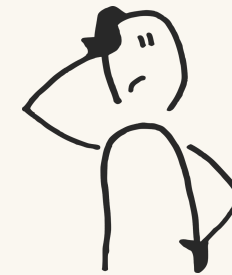
Talk to Olivia & Matthew about
what we're going to work on
today



3. Getting

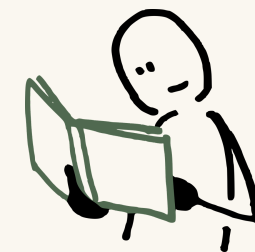
Into Work

Log onto laptops and
open up Excel sheets
and begin entering data
from different schools
from OUSD



4. Clocking Out

Finish up data collection,
and clean up our trash





Supervisor

This is Olivia

Project Analyst - Sustainability and Energy Efficiency

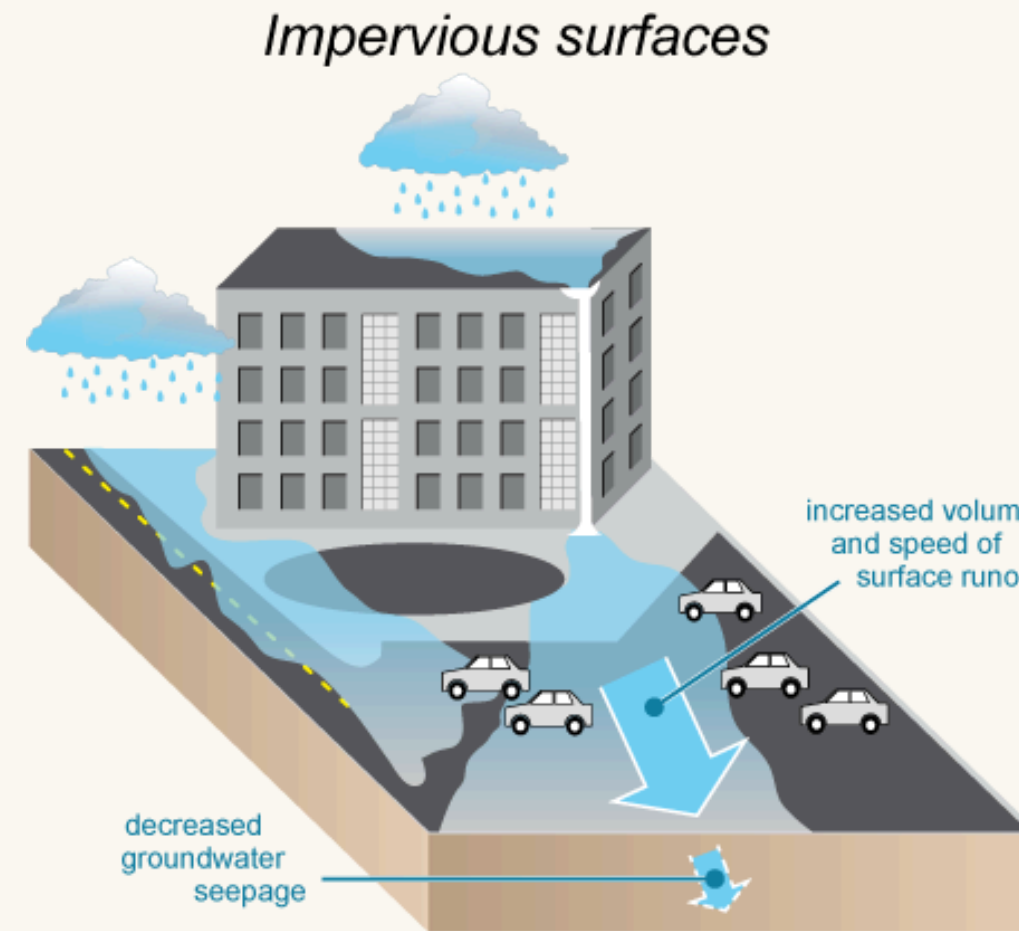
- Majored in Sustainability & Geography
- Got offered this job after she finished a internship
- Love the work she was doing during the internship
- Wanted to work at OUSD because it was her school district

Technical Learning

Pervious Furfaces vs Impervious Surfaces

Pervious Furfaces: Surfaces such as the dirt on the floor that can allow water soak through

Impervious surfaces: Surfaces such as asphalt that can't be soaked or penetrated by water



Impervious 'hard' surfaces (roofs, roads, large areas of pavement, and asphalt parking lots) increase the volume and speed of stormwater runoff. This swift surge of water erodes streambeds, reduces groundwater infiltration, and delivers many pollutants and sediment to downstream waters.



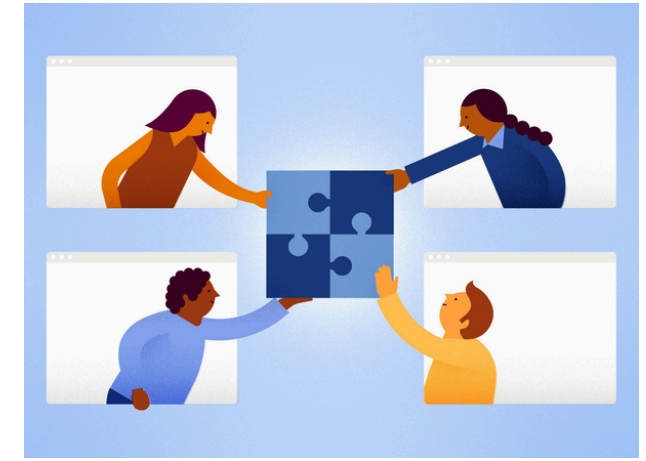
Pervious 'soft' surfaces (green roofs, rain gardens, grass paver parking lots, and infiltration trenches) decrease volume and speed of stormwater runoff. The slowed water seeps into the ground, recharges the water table, and filters out many pollutants and sediment before they arrive in downstream waters.

Conceptual diagram illustrating impervious and pervious surfaces. Impervious surfaces are hard and increase stormwater runoff, causing pollutant and sediment delivery in downstream waters. Pervious surfaces are soft and decrease stormwater runoff, which filters out pollutants and sediments before they arrive in downstream waters. Diagram courtesy of the Integration and Application Network (ian.umces.edu), University of Maryland Center for Environmental Science. Source: Chesapeake and Atlantic Coastal Bays Trust Fund, 2013. Stormwater Management: Reducing Water Quantity and Improving Water Quality. IAN press, newsletter publication.

Strengths That Helped



Adapability

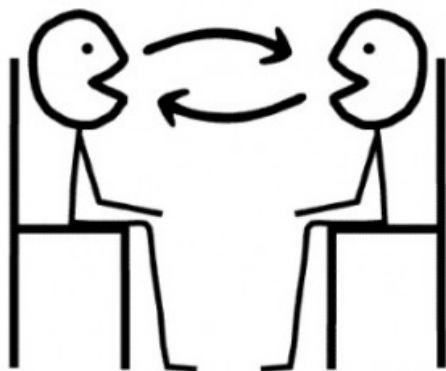


Cooperating
with team

Being on time



Communication



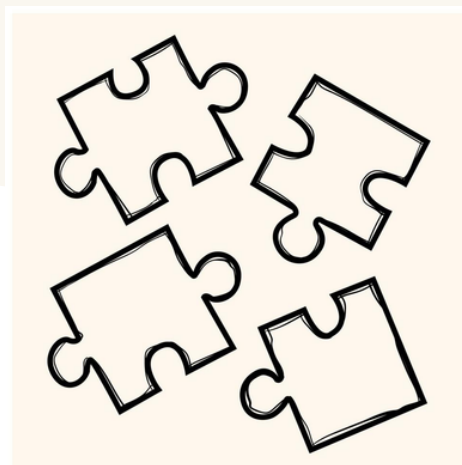
Working with speed
and precision



Difficulties along the way

1

Focusing on the work I was
doing for long hours



2

Recalling information I heard



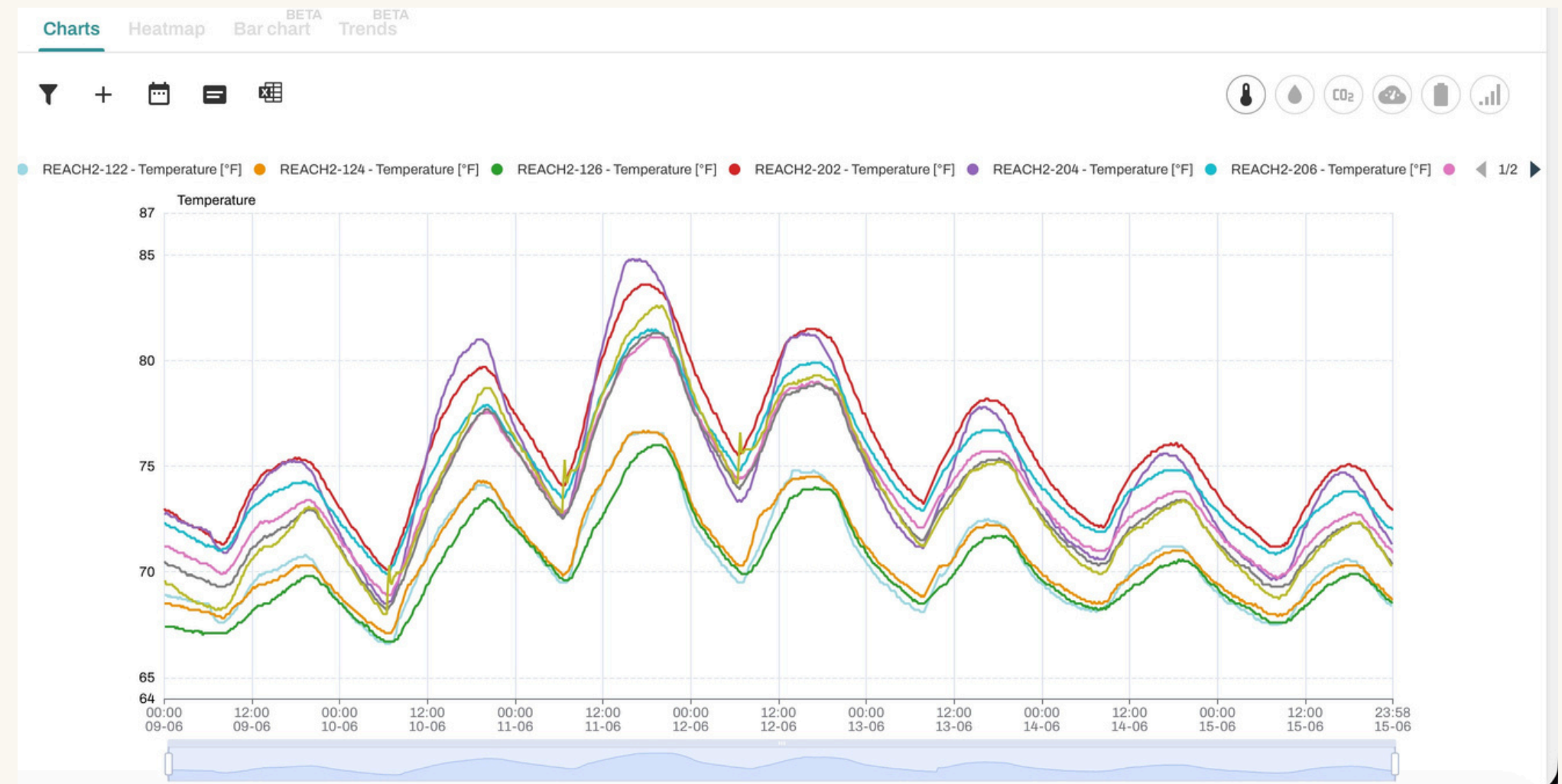
3

Becoming very tired
in a short amount of time



Proudest moment I had this summer

- Collecting these data points
 - Allows OUSD to fund schools that are less fortunate
 - See what schools need renovation
 - Being able to help scholars in need



Diversity & Equality

Diversity:

OUSD Facilities contains many people from different backgrounds ranging from ethnicities to economic status

Equality:

Everyone is treated the same no matter the circumstances that they're facing

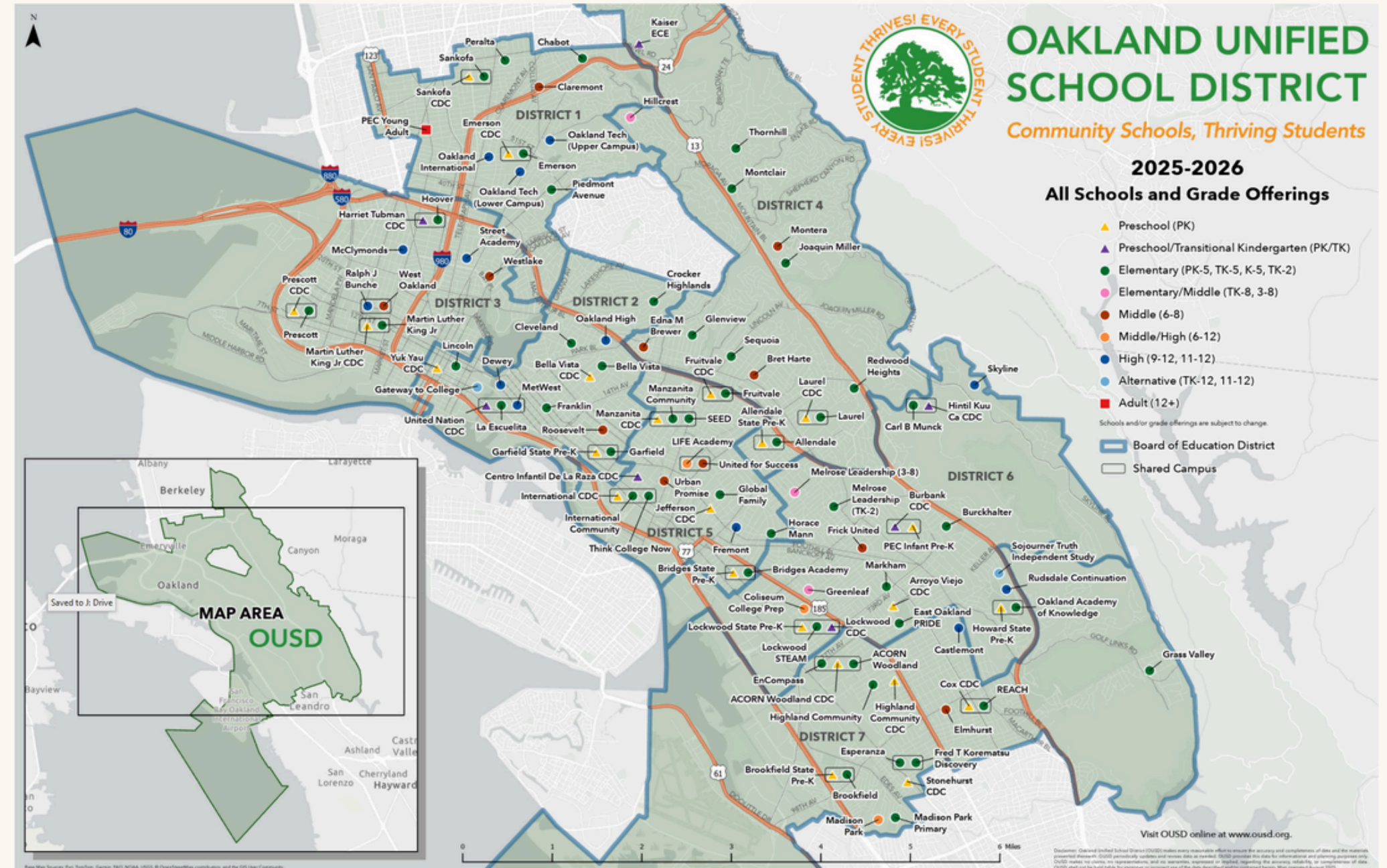
Inclusion:

Everyone feels like they're included because they treat each other like friends and always bring people into the conversations

My Pathway

My pathway is the Public Health Academy or PHA for short. The learning I have done from my pathway related back to my internships due to the fact that public health professionals map data to see where people need help the most.

An example of this from my internship would be when we started talking about transferring the data we're inputting, into a map to see what schools need renovations the most due to rising temperatures.



My Future

My ECCCO internship has shown me what environments and what factors I work best in. Without this internship, I would've never known that being a data analysis could be so difficult and so precise. This is why I have decided to stick to my original plan of pursuing a job in healthcare as it aligns better with my values better. Maybe in the near future, I might just end up with something in data because of this internship which I'll be fine with.



KAISER PERMANENTE

The End