1//LEARNING ENVIRONMENT
  —— It takes a whole neighborhood to raise a child

2//AFTER PROPERTY
  —— NO COP CITY

3//WATER SENSITIVE URBANISM
  —— 2080 Ladyville

4//OTHER WORKS

M.S. Architecture and Urban Design
Jiaxin Li
The education system should be equal and equitable and that every child has a right to education. But the reality is far from that. Schools and their surrounding communities are constantly shaping and being shaped by one another. Which made us think why can’t they be integrated as a system?

We make a new education system which beyond school which pooled resources and strategically included the neighborhood. This will reduce redundancy within the existing educational structures. Our aim is to renetwork education and revitalize disparate neighborhoods by this system of shared resources. By creating unique interventions at different levels – inherently distinct to each neighborhood, we hope the driving factor is the context, people and culture.
Redlining

Indication areas to be cleared of all residents a homes areas to be ‘rehabilitated’ areas to be ‘conserved’. More than half of downtown Newark is deemed a slum slated for demolition.

Most desirable loan areas in green (white Jewish communities & areas of the city whose residents should be refused mortgage (predominantly black communities))

Locations of proposed highway construction and urban renewal projects

Vacant Land

Vacant Rate

There are two main reasons behind the high absenteeism rate. School facilities are not friendly to disabled students, and there are problems with safety and convenience in the way to school.

I am worried about my children walking by some vacant lots, there are zons of trash, dirt, and unrest. A lot of the things will happen to my area unless...
STREETS

30% Interactive | 20% Boring | 10% Messy | 40% Vacant
RESOURCE DISTRIBUTION

Site Plan

Harriet Tubman School

Marion P Thomas Charter school

SPECIALISED
- Instrumental music
- Art
- Physical training
- World Languages

COMMUNITY DEVELOPMENT
- Staff Development
- LGBQ+ Club
- Community Empowerment Program
- Family Hub

SPECIAL NEEDS
- Autism month
- Saturday School
- Female mentoring

CULTURAL
- Martin Luther King Day
- Bring home dinner
- Hispanic Heritage Day
- Theatre team
- Blaize Initiative

SOCIAL
- Book collections
- Mentoring programs
- Coat drives
- Literary lunch
- Adopt a school program

EXTRA CURRICULAR
- Debate Club
- Chess Club
- Dance
- Sports
- Chorus
- School newspaper

COMMUNITY PARK

URBAN FARMING

STUDY PODS

LEGOS

MENTAL HEALTH

PERMANENT INTERVENTION

TEMPORARY INTERVENTION
MULTIPLICITY OF PROGRAMS

- Outdoor education Cross program pods
- Urban farming
- Green: regeneration
- Networking units Amphitheatre Open Library
- Extracurricular activities
- Informal education Social skills
- Mental health facilities
- Community garden
- Networking spaces Exhibition spaces
- Financial skills Professional 'LEVEL' Levelhood skills training

MORNING  AFTERNOON  EVENING
The site now is under the surveillance of the policing and correction system who have built the border to prohibit community members from accessing the resource. And they are going to the next level of surveillance, building cop training facilities here to strengthen their power, which is so-called "cop city." After property, public funding should be shifted from the policing system to social needs and services. New collective system will be formed to empower the communities to protect their interests and the people can become the ruling class under the new social order. Community-based programs will address the public health and safety without armed force and violence.
We repurpose the old prison as the community collective center. Through it, residents can better share knowledge and food. And we used bioplastic to repair some of the old prisons, also added arches to break the original wall. The building has changed from suffocating to breathing freely. And the connection between people and nature is strengthened.
Ladyville is a suburban village experiencing an influx of population from Belize city and surrounding areas. It is facing the challenges of losing habitats, wastewater pollution, and seawater rise that threaten the livelihood and ecosystem of this area. What if the wetland habitats and natural resources in Ladyville are protected and restored, and the village grows interdependently and sustainably with its natural assets? Thereby, we propose a design framework to manage anticipated growth in Ladyville by implementing the water-sensitive driven design.
SITE PLAN

POLICY

INTEGRATE
- Ministries of Blue Economy and Sustainable Development
- Belize Foundation for Research and Environmental Education (BFREE)
- Caribbean Shrimp Company
- Department of the Environment
- Water and Sewerage Authority (WASA)
- The Nature Conservancy
- Ministry of Infrastructure Development and Housing
- University of Belize

RECLAIM
- Community Land Trust
- Invest economy
- Reclaim Abandoned Shrimp Farm
- Community Engagement
- Local community
- Ladyville Council
- Collaborating Partners
- Assess Landuse Status

DENSIFY
- Create housing
- Ensure social equality
- Build living infrastructure
- - wastewater treatment wetland
- - mangrove buffer
- - Integrated Aquaculture
- - Development Incentives
- - Wastewater Treatment System
- - Densified Community
- - Resilient Community
- - Diversified Ecosystem

RENATURE
- Create jobs
- combined with wetland construction, aquaculture and ecosystem rehabilitation
- Natural-based Zoning Law
- Buyout Program
- Rehabilitate
- 2030
- 2050
- 2080
1:1 Crafting and Fabrication of Details

Columbia University  Academic
Instructor: Zachary E. Mulitaupote
Teamate: Jiayi Zhao
Year:2021

Data mining the city

Columbia University  Academic
Instructor: Hsienhsin Chou
Teamate: Max Cai, Zida Liu
Year:2022