

Environmental catastrophe
A community's natural resources can be damaged by carcinogenic air and water, toxic wastes in homes and workplaces, lead paint poisoning, and poor disposal of garbage.

Urban ecology projects
A community can win back its natural resources through tree planting projects, urban agriculture, stream rejuvenation, youth park building programs, rapid transit development, neighborhood recycling, and environmental education.

Addiction
Addiction to drugs (alcohol, tobacco, cocaine) and gambling (state lotteries) drains a community's wealth. The government's addiction to "sin taxes" and lottery revenues make it into a pusher. A recent New Jersey study shows that 30 percent of low-income families spend 20 percent of their income on the lottery.

Unemployment
Unemployment and under-employment (40 percent among minority youth) results from a depressed local economy, industrial disinvestment, and inadequate child care. Low employability is caused by inadequate diet, housing, education, and pre-natal care, exacerbated by legal and illegal addiction and discrimination.

Reinvestment
Community Reinvestment Act, inclusionary zoning, speculation tax, quick-take policy, and neighborhood home-sharing are each approaches to preserving the link of local spending without making it accessible to local residents.

Disinvestment, gentrification
Abandoned and condemned buildings are unprofitable and unprofitable; gentrification is profitable, but it displaces the local residents of poor neighborhoods.

Education, reinvestment
Control of drug addiction through education and treatment programs is one way to block the drain of wealth. \$300,000 buys one ten-year classroom or school. Six-week training for teachers.

Conservation
\$1 spent on energy conservation is \$2.30 spent in the local economy.

Waste
\$1 spent on fuel is 85 cents drained out of the community by utility companies.

Waste
One pound of aluminum costs 1 cent to incinerate or to bury in a land fill.

Conservation
One pound of aluminum:
* Crushed, yields 17 cents
* Compressed, yields 25 cents
* Ingot, yields 50 cents
* Molten, yields 1 dollar

Local business ownership
Serving locally owned businesses builds independence from large corporate employers and stems the drain of wealth by franchisors and corporate owners. Techniques include small business loan pools, community equity control, local business incubators, community/university/ISOs, and manufacturing ventures.

Plant closings
A community can be devastated by the shut-down of a plant which had formerly been a central source of employment.

Disinvestment
The average local reinvestment of profits earned by banks is a tiny fraction of a percent (.004 percent from one Chicago bank).

Disinvestment
The average local reinvestment of profits earned by pension funds and insurance plans is a tiny fraction of a percent.

Demolition development
A one-mile dead-end street of highway in Baltimore cost several million dollars, destroyed thousands of houses, and rendered thousands of acres unusable for further development.

Absentee business ownership
When businesses are owned by people living outside the community, profits earned in excess of salaries are usually invested outside of the community, while sales drain the wealth of local consumers. Franchises are often supplied from centralized buying sources, and thus do not bring business to local vendors.

COMMUNITY RESOURCES

Reinvestment

Community Reinvestment Act challenges in Chicago have generated several million dollars for industrial and housing development. Each of these dollars can leverage \$5.

Reinvestment

Profits from state and private pension funds could be reinvested into the community.

Community controlled

Community controlled planning can address and foster development of housing, industry, and jobs.



BANKS

PENSION FUNDS AND INSURANCE



DEVELOPMENT PROJECTS



INDUSTRIAL FACILITIES



COMMERCIAL ESTABLISHMENTS



HOUSING STOCK



ENERGY



SOLID WASTE



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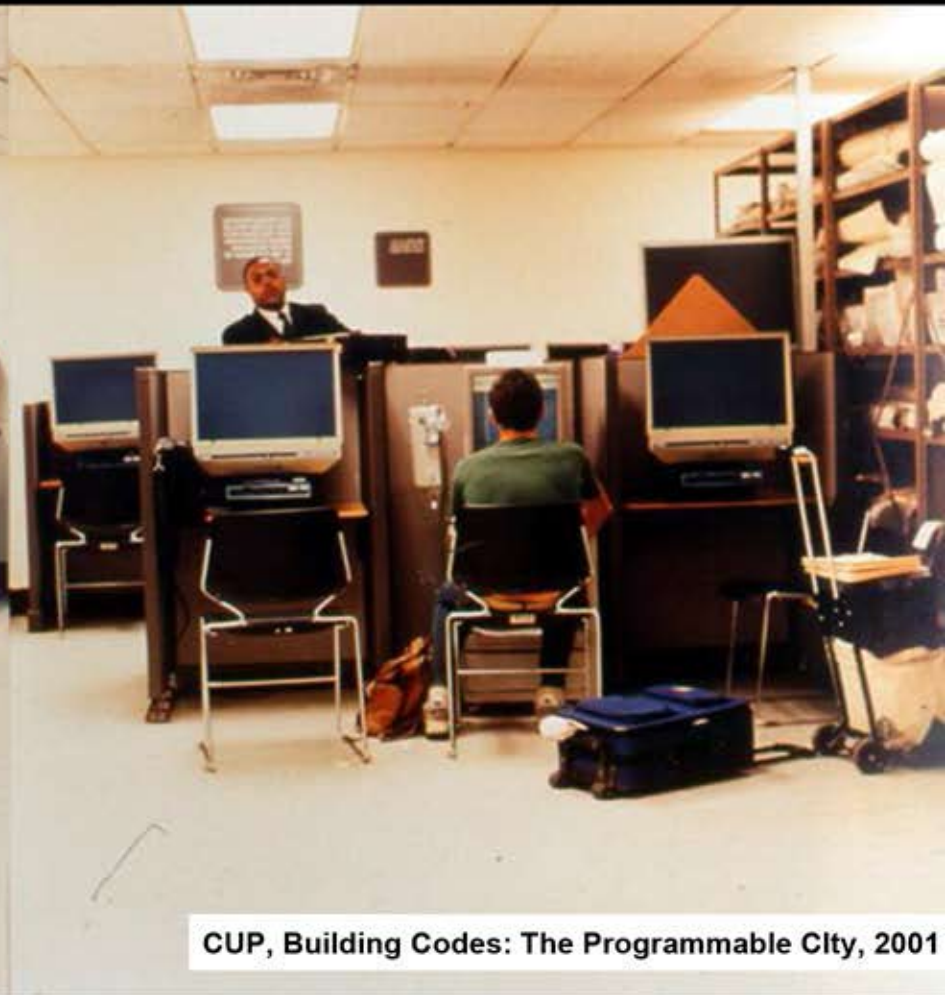


HOUSING STOCK





HECTOR, Space Brainz, 2017



CUP, Building Codes: The Programmable City, 2001



CUP, Building Codes: The Programmable City, 2001

The connection between **abandoned buildings** and **homeless people**



A project by Ms. Malary's Ecology Class at the Heritage School
in cooperation with the Center for Urban Pedagogy (CUP)

Where do abandoned buildings come from?
Why do people lose their homes?
What should be done to fix these problems?





CUP with City-as-School, Garbage Problems, 2002



While the results of this test are promising, studies of other compounds, such as PABA, need to be completed before the product is marketed. The researchers also intend to study the effect of the compound on the immune system. They will also study the effect of the compound on the immune system. They will also study the effect of the compound on the immune system.

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CUP with City-as-School, Garbage Problems, 2002



HECTOR, Space Brainz, 2017

what happened here?

2002



2003



2010



This house was a victim of a real estate scam, and now will be redeveloped as a neighborhood park.

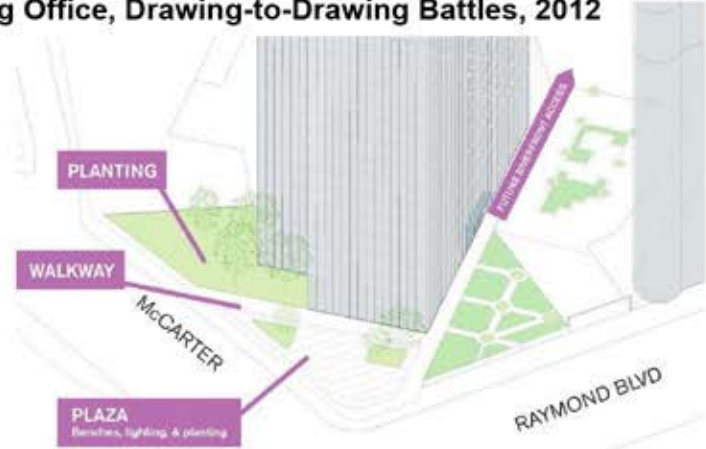
To learn more about revitalization efforts and homeownership opportunities here in Fairmount Heights, contact Fairmount Heights Development Company at (873) 735-2154, FairmountHomes@grhp.org, and www.homesoffairmountheights.blogspot.com.



City of Newark & NJIT, People Power Planning Newark, 2015



Newark Planning Office, Drawing-to-Drawing Battles, 2012



VIEW FROM RAYMOND & McCARTER



VIEW FROM RAYMOND & McCARTER



Newark Planning Office, Newark Riverfront 3000, 2009



Newark Planning Office, Newark Riverfront Park, 2013



Newark Riverfront Park, 2013



Spirits of Newark's Riverfront, Newark Riverfront Park, 2013



Newark Riverfront Park, 2013



Newark Walks to the Water, Newark Riverfront Park, 2013



House Music Dance Party, Newark Riverfront Park, 2013



"How did the river become polluted?" Newark Riverfront Park, 2013



"How was the park saved from becoming a baseball stadium?" Newark Riverfront Park, 2013



Newark Riverfront Revival, Newark Riverfront Guide, 2013

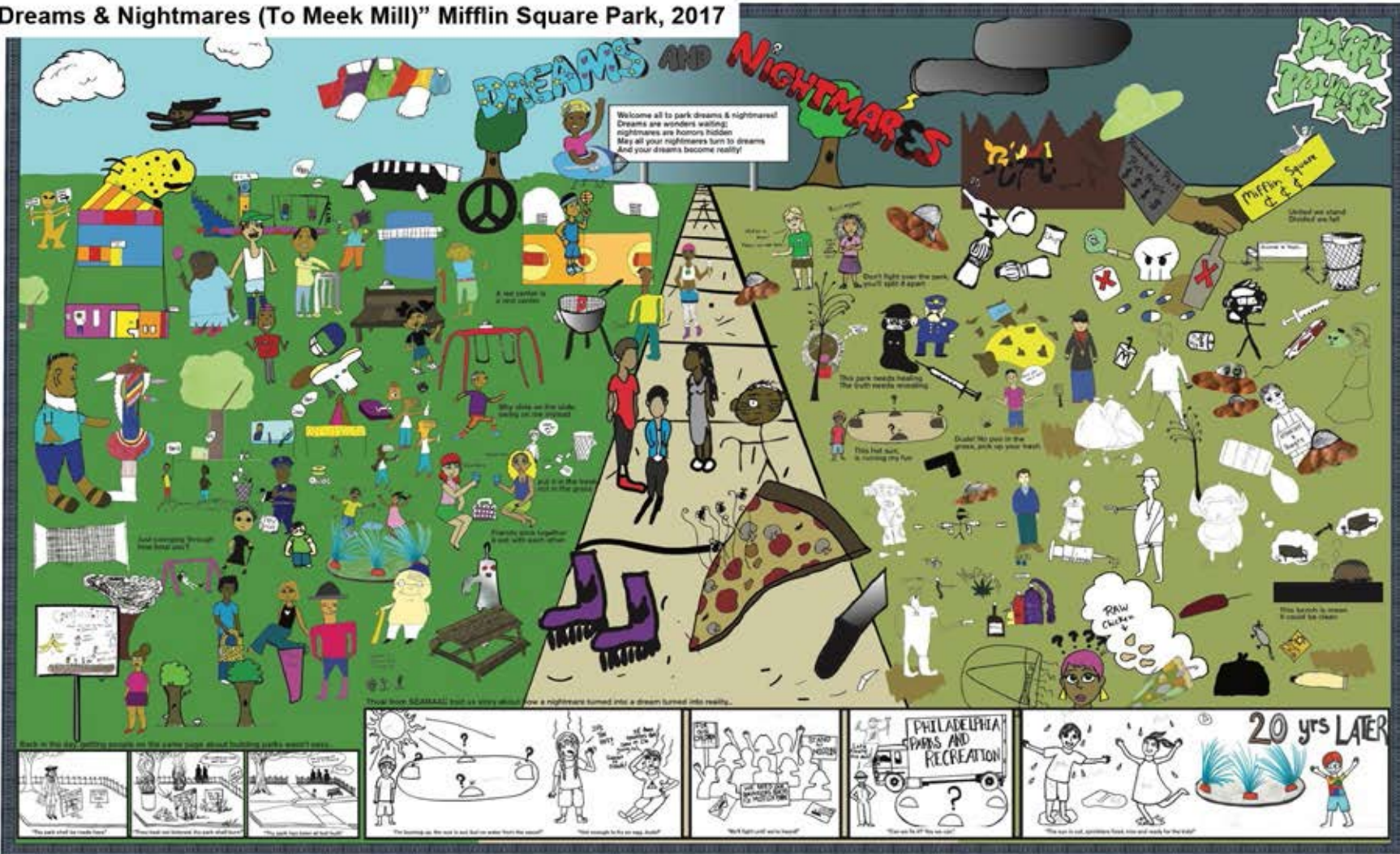


HECTOR & SEAMAAC, Mifflin Square Park Concept Plan, 2017



Park Powers, Mifflin Square Park, 2017

"Park Dreams & Nightmares (To Meek Mill)" Mifflin Square Park, 2017





HECTOR & SEAMAAC, Mifflin Square Park Concept Plan, 2017



HECTOR & SEAMAAC, Mifflin Square Park Concept Plan, 2017



HECTOR & SEAMAAC, Mifflin Square Park Concept Plan, 2017



SWEET WATER FOUNDATION

There grows the neighborhood

+



Art
Architecture
Agriculture
Aquaponics
Carpentry
Education
Urban Planning

'Regenerative' Neighborhood Development









There **GROWS** the
NEIGHBORHOOD...

Engaging
Families



Stabilization

- Revitalize blighted spaces
- Rehabilitate Housing
- Affordable Home Ownership

Community Outreach

- Market Basket Food Program
- Financial Literacy
- Cooking Demonstrations
- Community Events
- Health & Wellness Programs

Experiential
Education



SWF Apprenticeship

- "Seed to Table" Program
- "The MYCELIA Project"
- AQUAPONS curriculum

Connected Learning

- MacArthur Foundation/
Mozilla Foundation supported
Badge-Based Learning
- STEAM Discipline

Life Skills Training

- SEC
- Parental Coaching
- Fiscal Literacy

Career
Pathways



100 Youth Pilot

- Carpentry; Plumbing;
Electrical; Mechanics;
Architecture; Hospitality
Industry; Culinary Arts;
City Planning; Sciences

Industry Exposure

- Internships
- Externships

College Placement

- City Colleges
- 4 Year Universities

Building
Local
Economy



Job Placement

- Internships/ Externships
- Part Time Employment
- Full Time Employment

Business Incubation

- Entrepreneurial Incubation
- Urban Ag/Aquaponics





Perry Ave Community Farm





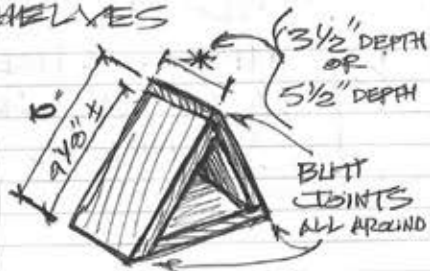




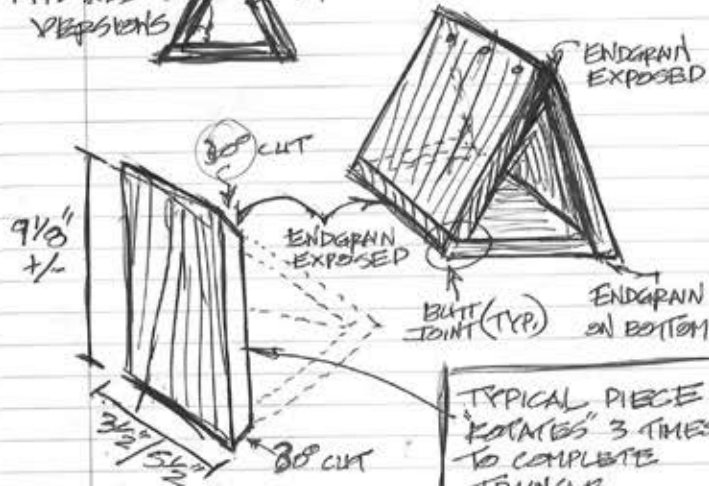
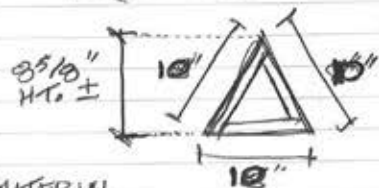
SHEETWATER POLYGON SHELVES

TRIANGLES

Approx. 32"
LINEAR STOCK
REQ'D



60° EQUILATERAL
TRIANGLE
TYP. ALL
VERSIONS



TYPICAL PIECE
"ROTATES" 3 TIMES
TO COMPLETE
TRIANGLE.

0 * CONT. BACK SIDE *













