



New Jersey Bicycle and Pedestrian Advisory Council Meeting

March 13, 2013

Karyn Williams

Co-founder and Executive Director



Co-Founders



Samelys López, Co-Founder & Director of Development

Karyn Williams, Co-Founder & Executive Director

Naomi Doerner, Co-Founder & Director of Programs



Mission



Velo City engages youth from underserved communities through cycling to teach them urban design & planning for social change.



Velo City: Three "E" Philosophy



Explore



Empower



Envision

Career Path

What do careers in the fields of Architecture, Landscape Architecture, Urban Design & Urban Planning entail?

Architects:



- Plan and design buildings and other structures.
- Estimate materials, equipment, costs, and construction time.
- Prepare, design, and structure specifications.
- Prepare scaled drawings of the project.
- Visit worksites to ensure that construction adheres to plans.

Landscape Architects:



- Plan and design land areas for parks, highways, airports, etc.
- Confer with clients, engineers, and building architects.
- Prepare graphic representations & drawings of proposed plans.
- Analyze environmental reports and data on land conditions.
- Coordinate existing & proposed features and structures.

Urban Designers:



- Focus on issues such as city layout, street design, & building & landscape patterns.
- Deal with the design and management of public space.
- Create designs by hand or using computer software.
- Work within the complexities of populations, historical, social & political infrastructures.

Urban Planners:



- Develop plans & programs for the use of land.
- Analyze economic, environmental & social data.
- Conduct field investigations to analyze what affects land use.
- Review site plans submitted by developers
- Stay current on zoning or building codes, environmental regulations, & other legal issues

Valuable skills



Collaboration

Sharing knowledge, learning and building consensus.

Technical

Computer skills, math & statistics help form plans.

Critical-thinking

Different perspectives help to overcome challenges.

Creativity

Plans & designs can address problems & be pleasing to the eye.

Communication

Speak, write & visually communicate clearly & effectively.



Data from United States Department of Labor & Bureau of Labor Statistics

Infographic design by Accia Dupierre

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Career Path Map

What does it take to obtain a career in the fields of Architecture, Urban Planning & Landscape Architecture?

Choose your path

There is more than one path to the careers of Architecture, Urban Planning & Landscape Architecture. Here are some real life examples of the possible stops along the way.



Career

Careers in these fields can vary between office settings and on-site work, for private firms, government or non-profit organizations.

Related Careers

- Civil Engineer
- Environmental Engineer
- Cartographer
- Surveyor
- Educator (Rich Conroy)
- Advocacy (Dahlia Ramsay)

High School

The first step is to do well in your classes & graduate high school. Focusing on skills in math & science, as well as the arts will build a great foundation for further studies.

College

These careers require a college education. Undergraduate architecture programs are 5 years.

Internships

An internship is an opportunity to obtain real work experience in a particular field.

Graduate School and PhD

Urban planning careers require graduate school, architecture and landscape architecture can be studied at the graduate level as well. A PhD can be obtained in landscape architecture.

Study Abroad Programs

Some colleges offer programs of study in foreign countries as you work towards a degree. It is a way to broaden your knowledge base on differing cultures and perspectives.

Architect

- High School
- 5 year college degree
- Optional Graduate School
- Internship
- License Exam

Landscape Architect

- High School
- 4 or 5 year college degree
- Optional Graduate School
- Optional PhD program
- License Exam

Urban Designer

- High School
- 4 year college degree
- Graduate School
- Work related experience

Urban Planner

- High School
- 4 year college degree
- Graduate School
- Work related experience

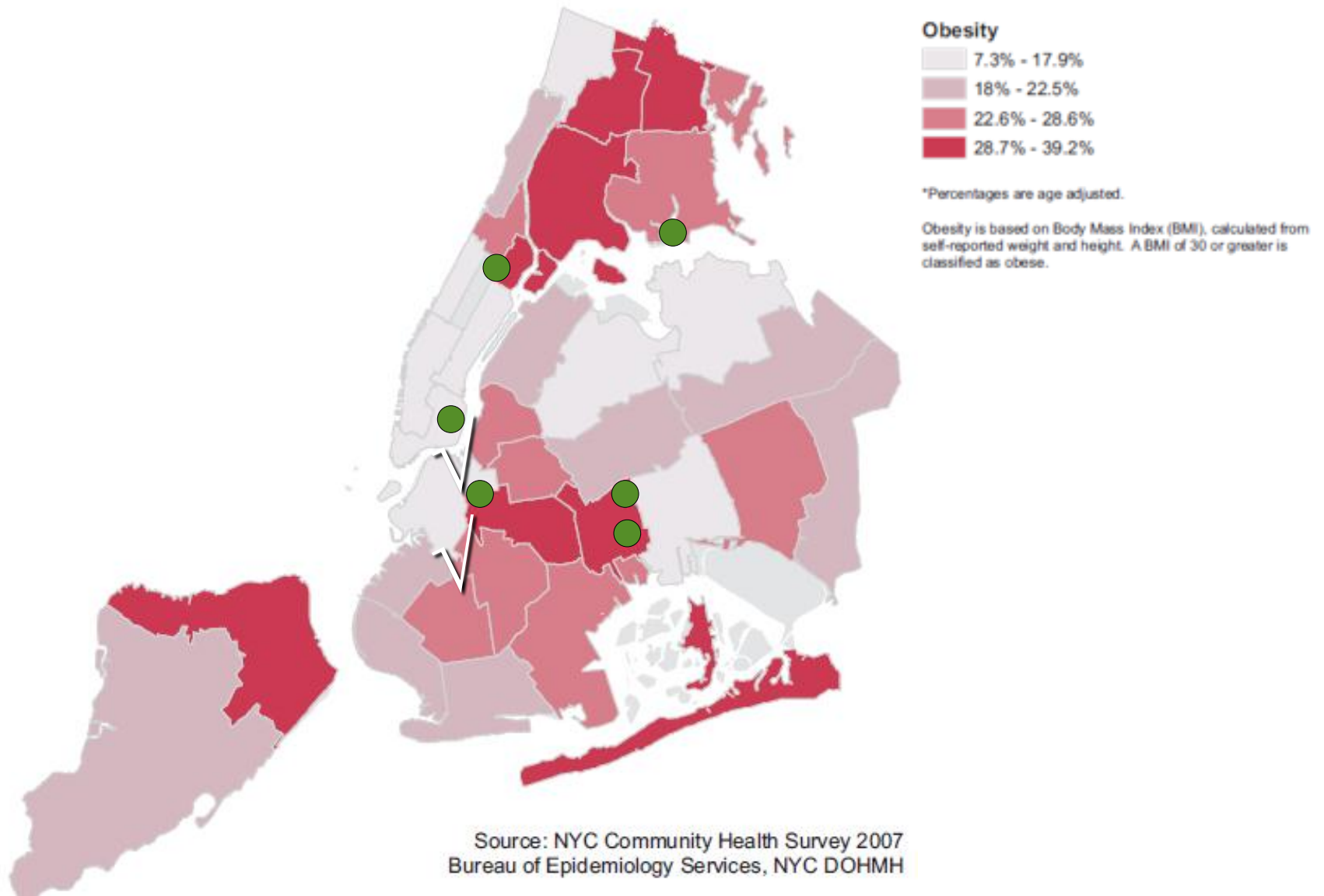


Data from United States Department of Labor & Bureau of Labor Statistics

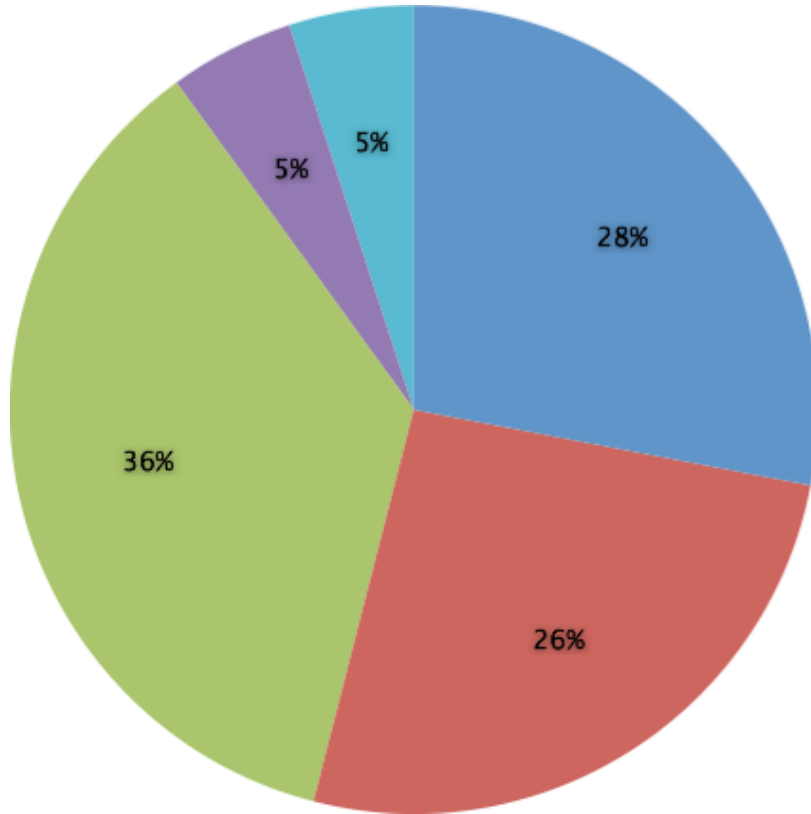
Infographic design by Accia Dupierre

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Social Indicators in New York City



Student Profile



- African American
- Asian
- Hispanic
- South Asian
- White



Bikesplorations



7-week summer program started in 2010 LES & Chinatown

2011-2012 Soundview neighborhood in the Bronx in partnership with Bronx River Alliance

Introductory urban planning & design

Different theme each year

Students design and lead bike tour









Bronx Bikesplorations



Soundview Bikesplorations 2012 Tour Stops

- 1 - Soundview Field House (Lafayette Avenue between Colgate Avenue & Boynton Avenues)
- 2 - Soundview Park Entrance
- 3 - View of the Hunts Point Food Distribution Center (along Bronx River)
- 4 - Bronx River Houses NYC-HA Community Garden (between Rosedale and Randall Avenues)
- 5 - View of NYC-HA's Classon Point Gardens (Lafayette and Metcal Avenues)
- 6 - Hunts Point Riverside Park (between Lafayette and Edgewater Road)
- 7 - Concrete Plant Park (between Westchester Avenue and Bruckner Blvd)
- 8 - Starlight Park (174th Street between West Farms Road and Bronx River Avenue along the Bronx River)
- 9 - View of the Sheridan Expressway across from our location at Starlight Park
- 10 - Bronx Graffiti Wall of Fame (between Boone Avenue and 172 through 174th Street)

www.opengreenmap.org

[Green Map Bronx](#)

Bikesplorations- Challenges



Inexperienced riders

Space for meeting and for bike storage

Unable to meet the demand for the summer program



Teens Taking the Lane



New Program launched in 2012 in Brooklyn

11- week summer and fall program

Focus on advocacy & leadership skills

Students led a series of bike tours in the fall for the public and their families





Navy Yard / BLDG 92



BLDG 92 celebrates the Navy Yard's past, present and future, and promotes the role that the Yard and its tenants play as an engine for job creation and sustainable urban industrial growth.

Fort Greene Park



Brooklyn's first park was built in 1847 by landscape architects Frederick Olmsted & Calvert Vaux.

Pratt Institute



The entire 25-acre Brooklyn campus is home to the Pratt Sculpture Park, the largest in New York City.

Brooklyn Tech HS

Opened as a boys' school in 1922, BTHS is now opened to all students of the City of New York by competitive examination. The school has a curriculum specializing in mathematics, science, engineering, computer science and the liberal arts.

MoCADA



The Museum of Contemporary African Diasporan Arts was founded in 1999 and exhibits work that incites dialogue on pressing social and political issues.

Dekalb Market



Opened in July 2011, temporary Dekalb Market is a project of UK based Urban Space, the organization also behind the Union Square Holiday Market.

Toren Building

Toren is in line to be among the first residential high-rises in Brooklyn to achieve Leadership in Energy and Environmental Design (LEED) certification. LEED provides building owners and operators ways to identify and implement practical and measurable green building design.

Atlantic Terminal / Barclays Center



Built above Atlantic Terminal, one of New York's largest transportation hubs, Barclays Center will be one of the most accessible sports and entertainment venues in the area.

Brooklyn BikeSplorations 2012





MOCADE
Museum of Contemporary Art & Design

MOCADE

NO PARKING





Challenges- Teens Taking the Lane



Developing strong community partnerships

Student attendance

After School Programs



Year long program

Brooklyn International H.S. 2011

Franklin K Lane Campus 2012, Brooklyn

Urban Planning curriculum

Earn-a-Bike





After School Programs Challenges



Attracting and retaining girls in the program

Culture of not participating in extra curricular activities at some schools

Reluctance to wear helmets

Please join Velo City and friends in celebrating another year of training the next generation of urban planners and designers!

When: April 4th, 2013 6:00 p.m. to 9:00 p.m.

**Where: Center for Architecture
536 LaGuardia Place, NY, NY, 10012**

- Inspiring Individual: Laurie Cumbo**, founder of Museum of Contemporary African Diasporan Arts and City Council candidate
- Inspiring Nonprofits: Partnerships for Parks**
- Inspiring Company: Patagonia**

Contact Information



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