Create a neighborhood that is resilient to climate change

• Offer opportunities for students to demonstrate leadership

• Provide experiences for students to apply scholarly work in neighborhood and to see the impact of their actions

• Connect students and their knowledge with community members
1 | What is Resilience?
- Adaptation
- Social infrastructure

2 | East Harlem Ecological History
- Mapping
- Neighborhood form

3 | Social Vulnerability
- Climate projections
- Demography

4 | Hydrology
- Run-off + slope
- Permeability

5 | Green Infrastructure
- Soils + infiltration
- Plants

6 | Public Space
- Observation
- Site planning

CURRICULUM MODULES + ACTIVITIES
ENGAGING PROFESSIONALS + FIELD TRIPS
PILOT PROJECT 1: WASHINGTON HOUSES READY

2018 WASHINGTON HOUSES SURVEY: Sample Results

**HEALTH:** Are there disabled people living in your apartment?
- NO = 57%
- YES = 43%

**EMERGENCIES:** Do you have an air conditioning unit in your house?
- YES = 75%
- NO = 25%

**AGE:** How many children aged 3 or younger live in your apartment?
- 0 CHILDREN = 54%
- 1 CHILD = 4%
- 2 CHILDREN = 17%
- 3 CHILDREN = 17%

**EMERGENCIES:** Have you experienced stress at home during a recent snow storm in the last year?
- YES = 26%
- NO = 74%

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CHERRY TREE PARK
CENTER LIGHT SENIOR CENTER
UNION SETTLEMENT DAYCARE
EL BARRIO ARTSPACE
PS 38
COMMUNITY GARDENS
BLAKE HOBBS PLAYGROUND
DREAM CHARTER SCHOOL
WASHINGTON HOUSES
THIRD AVENUE
SECOND AVENUE
104TH STREET
102ND STREET
99TH STREET
97TH STREET
PILOT PROJECT 2: WASHINGTON HOUSES RAINGARDENS
• Dedicated DREAM faculty co-teacher improved coordination and enhanced student enthusiasm and understanding
• Any student can benefit, not just honors students
• Teaching Fellows leadership opportunity for 10th graders
• Pilot projects took a long time, but structure is now in place
Near-term (2019-20 school year)

• Integrate curriculum with Living Environments “Human Impacts” unit
• Implement pilot project # 3 at Washington Houses

Medium-term (2020 and beyond)

• Document curriculum to share more broadly (pending response to SAPPI Ideas that Matter application)
• Seek resources for longer-term funding
• Identify new partners for pilot projects