

Rooftop Garden and Van Cortlandt Park Tour

[Link to Google Map](#)

Start: MC's Rooftop Garden: Climate Change Sources

- Compare and contrast global warming and climate change
- Identify major impacts of climate change
- Discuss how data is collected and analyzed that supports climate change

Broadway: Climate Change Impacts

- Identify regional and global impacts of climate change
- Relate causes, effects, and impacts of climate change
- Discuss the effects of feedback loops

Electric Charging Station: Climate Change Solutions

- Rank solutions to climate change based on impact
- Contrast climate education and climate action
- Identify possible actions relevant to your life

Van Cortlandt Park Lake: Systems Thinking and Elemental Cycles

- Relate the scientific method and systems thinking
- Use systems thinking to build a model of the water cycle
- Evaluate models for the nitrogen and carbon cycle
- Map out your design for the rooftop garden (focus on final project)

Grand Central Stones: Waste Resources

- Identify the components in municipal waste
- Explain the structure of an aerobic landfill bioreactor
- Rank the importance of reducing, reusing, and recycling materials
- Identify properties of hazardous waste (stability, flammability, health, special)

End: Friendly Fridge: Recycling Materials and Food Waste

- Identify different types of plastics
- Describe how one recycles in NYC
- Explain the limitations of recycling