GETTING TO GREEN
Connected Spaces for Environmental Justice and Stormwater Management at Sayre High School

Sayre High School has many assets: an onsite health center, a small garden program, and beautiful student-created murals all set to create a vibrant community hub. However, the school lacks green stormwater infrastructure (GSI), access to healthy food, green space, and places for students to gather. To address this discrepancy, we propose a project which will leverage the lived experiences and local expertise of community residents alongside the technical skills of University of Pennsylvania students to co-design, fund, and ultimately implement a GSI installation at the school which will also act as a green space for recreation and gathering while providing a multitude of nutritional, environmental, and educational co-benefits. Design elements include a green roof, rain gardens, permeable pavement, bioswales, and tree trenches, greenhouses, and raised beds.

PROJECT GOALS
1. Promote environmental justice
2. Reduce combined sewer overflow discharge
3. Enhance positive mental health outcomes
4. Create a sense of school pride
5. Improve STEM education opportunities
6. Foster environmental stewardship
7. Provide access to fresh fruit and vegetables
8. Create student and community gathering spaces

With the pandemic, I think it is most important for students to have a green space outside to relax, and where it is safe. There are articles that talk about the number of trees and green space associated with socioeconomic levels.” —Sayre teacher

Community Promenade: Activation and community access through facilities inroat and outdoors use of permeable pavements

Polinator Viewing Garden: Classification of pollinator species and flowers. Use of permeable pavement

Gathering Courtyard: GSI hardscape with stacked seating spaces

Rain Garden: Plant palette

Greenhouse & Raised Beds

"I would really love to see a place for students and community to gather and enjoy outdoors.” —Sayre teacher