

MOBILE MARKET STAND The Transforming Mobile Market Stand

Tom Chan, Austin Wong Advisors: Prof. Melody Baglione & Prof. David Wootton

P373K BROOKLYN TRANSITION CENTER

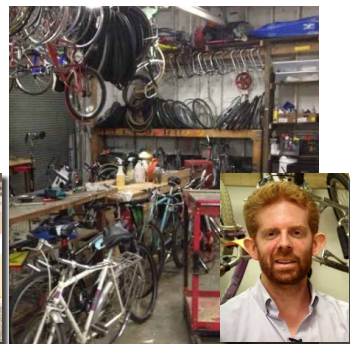


Brooklyn Transition Center

The BTC (P373K) is a New York public high school for students identified with learning and intellectual disabilities, emotional disturbance, and autism. The school's mission is to empower and motivate students by providing an education and vocational training through specialized programs. For example, students can learn to grow, harvest and prepare garden produce in the Greenmarket Program, or utilize mechanical parts to rebuild bikes in the Bike Maintenance Program.



Greenmarket Program Teacher: Maura Flanagan

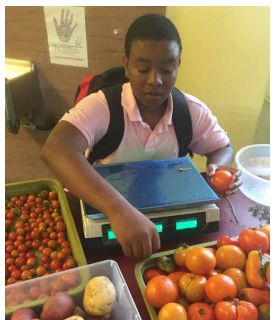


Bike Maintenance Program Teacher: Quinn Zannoni

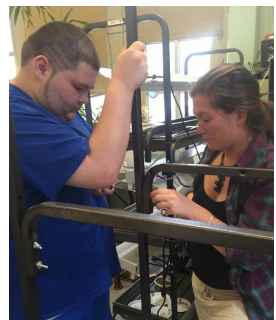
Project Goals

We want to get students more involved in their school work and help them gain experience with social interactions. We will do this by combining the resources of both programs to enable students to share their work with the neighborhood.

The Mobile Market Stand is a greenmarket bike trailer designed to be attractive, simple to build, and user-friendly so that students have a platform to display their work and converse with their local community outside of school.

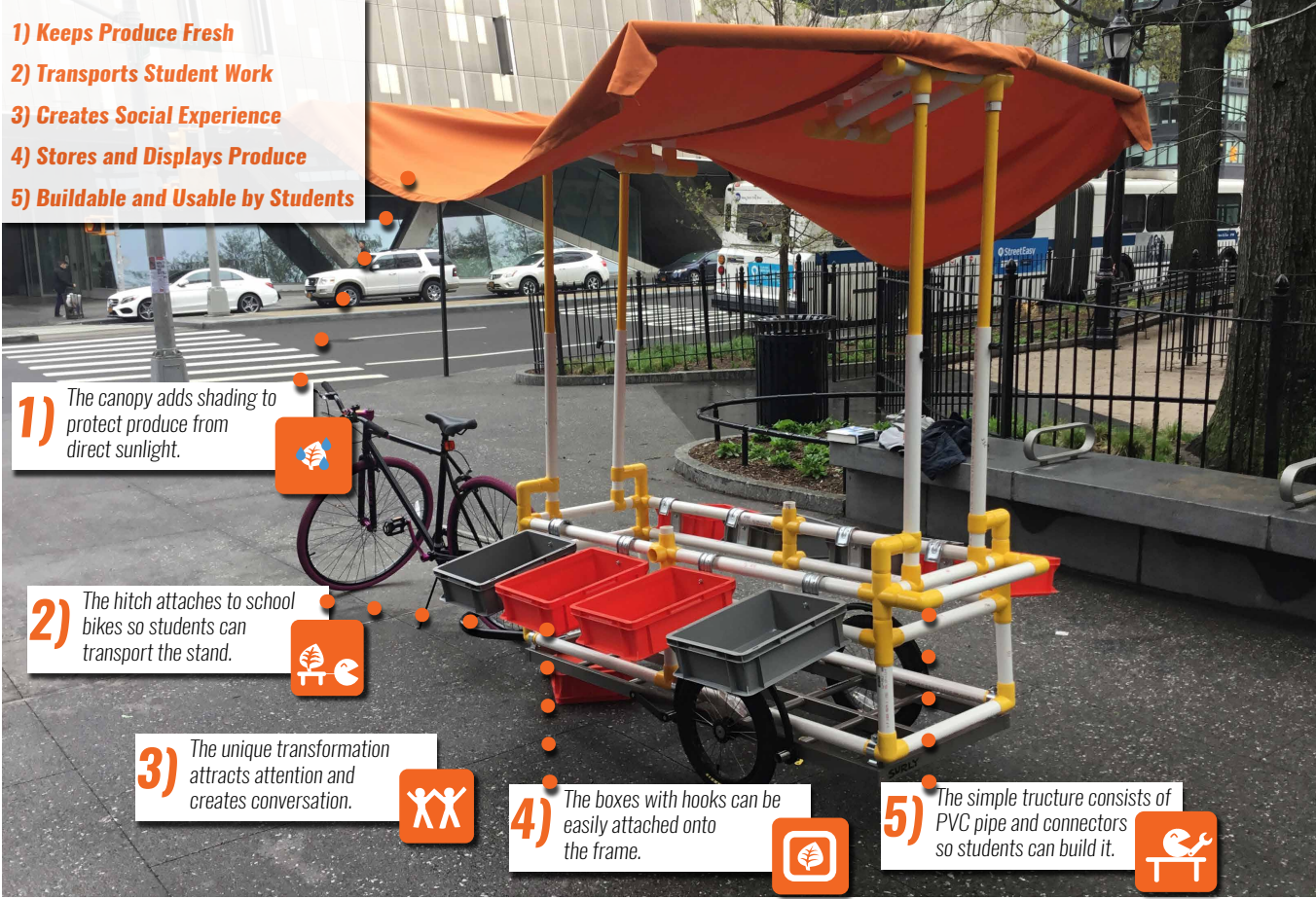


BTC students working in Greenmarket Program and Bike Maintenance Program



Design Features

- 1) Keeps Produce Fresh
- 2) Transports Student Work
- 3) Creates Social Experience
- 4) Stores and Displays Produce
- 5) Buildable and Usable by Students



1) The canopy adds shading to protect produce from direct sunlight.



2) The hitch attaches to school bikes so students can transport the stand.



3) The unique transformation attracts attention and creates conversation.



4) The boxes with hooks can be easily attached onto the frame.



5) The simple structure consists of PVC pipe and connectors so students can build it.



Transforming mechanism



The Stand can transform from a display station into a compact transport. This optimizes the design for student use outside of school and creates a visual impact.

Future Work

The prototype will be delivered to BTC students for testing and feedback so that the Mobile Market Stand can be improved with each iteration.

Acknowledgements

BTC Teachers: Maura Flanagan, Quinn Zannoni, Wilfred Azulphart
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Advisors: Professor Melody Baglione, Professor David Wootton