



# Community Grants Program

New York State Pollution Prevention Institute (NYS P2I) provides financial and technical support for projects that raise awareness and understanding of pollution prevention practices and lead to implementation at the local level

## Collect, Construct, Change (C<sup>3</sup>)

### Organization & Contact Information

New York Hall of Science  
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New York Hall of Science

### Project Description

The New York Hall of Science (NYSCI) is New York City's premier hands-on science and technology center that seeks to bring the excitement and understanding of these subjects to children, families and teachers. NYSCI is nationally recognized as a leader in innovative exhibitions and educational programs that focus on science, technology, engineering and math (STEM).

Collect, Construct, Change (C<sup>3</sup>) is an ongoing youth-centered learning program focusing on the issue of air pollution that engages middle school students from New York City as citizen scientists and activists.

NYSCI developed and offered a camp program that utilizes up-to-the-minute educational technology to engage middle school youth to learn about air quality issues in their neighborhoods and give them the knowledge and skills they need to consider solutions to prevent pollution and to share data with others.



Middle school students participating in the C<sup>3</sup> program

### Project Results

- **NYSCI developed a five-day (30-hour) camp (offered from 3/25/13 – 3/29/13) through which 30 students engaged in STEM activities that furthered their understanding of local air pollution, its impacts, and ways of preventing it.**
- Students developed projects ranging from a video PSA and a comic book to a pair of board games (that are continuing to be used by museum visitors) and a diorama to demonstrate how litter could be recycled.

The project was also promoted through the following activities:

- Journal article published in the March 2013 edition of the *International Journal of Engineering Research and Innovation Conference*
- Presentations and pop-up events sponsored by the Hive (a consortium of technology-based education programs in New York City)

