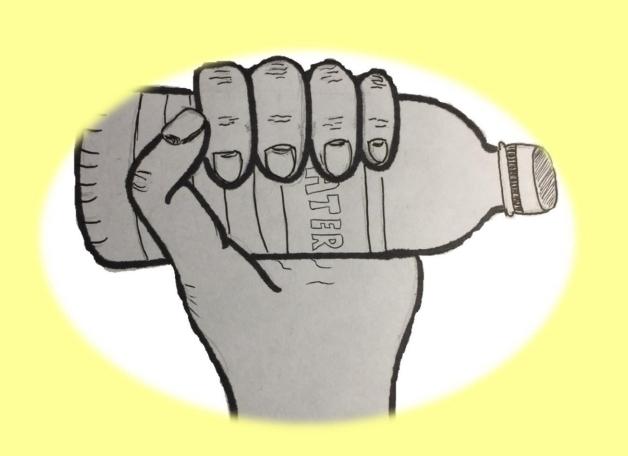


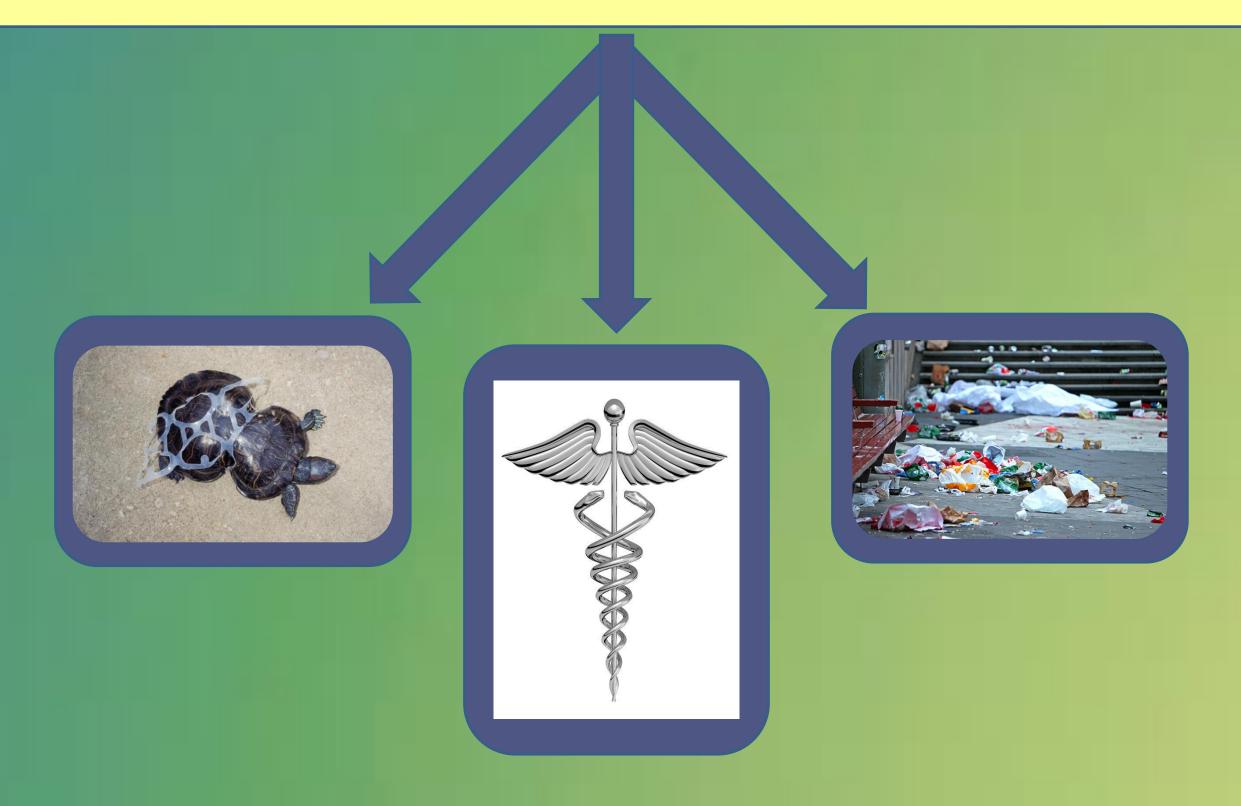
Reconsider Litter

Reduce. Reuse. Recycle. Reeducate.

Rachel Aston (ME), Jillian Comeau (BBT), Madison Cunniff (CHE), Caroline Murphy (CHE) Marja Bakermans (BBT), Geoffrey Pfeifer (HUA)



Plastic Litter: Big Problems



"There is a huge need for a recycling education program."- Liz Tomaszewski

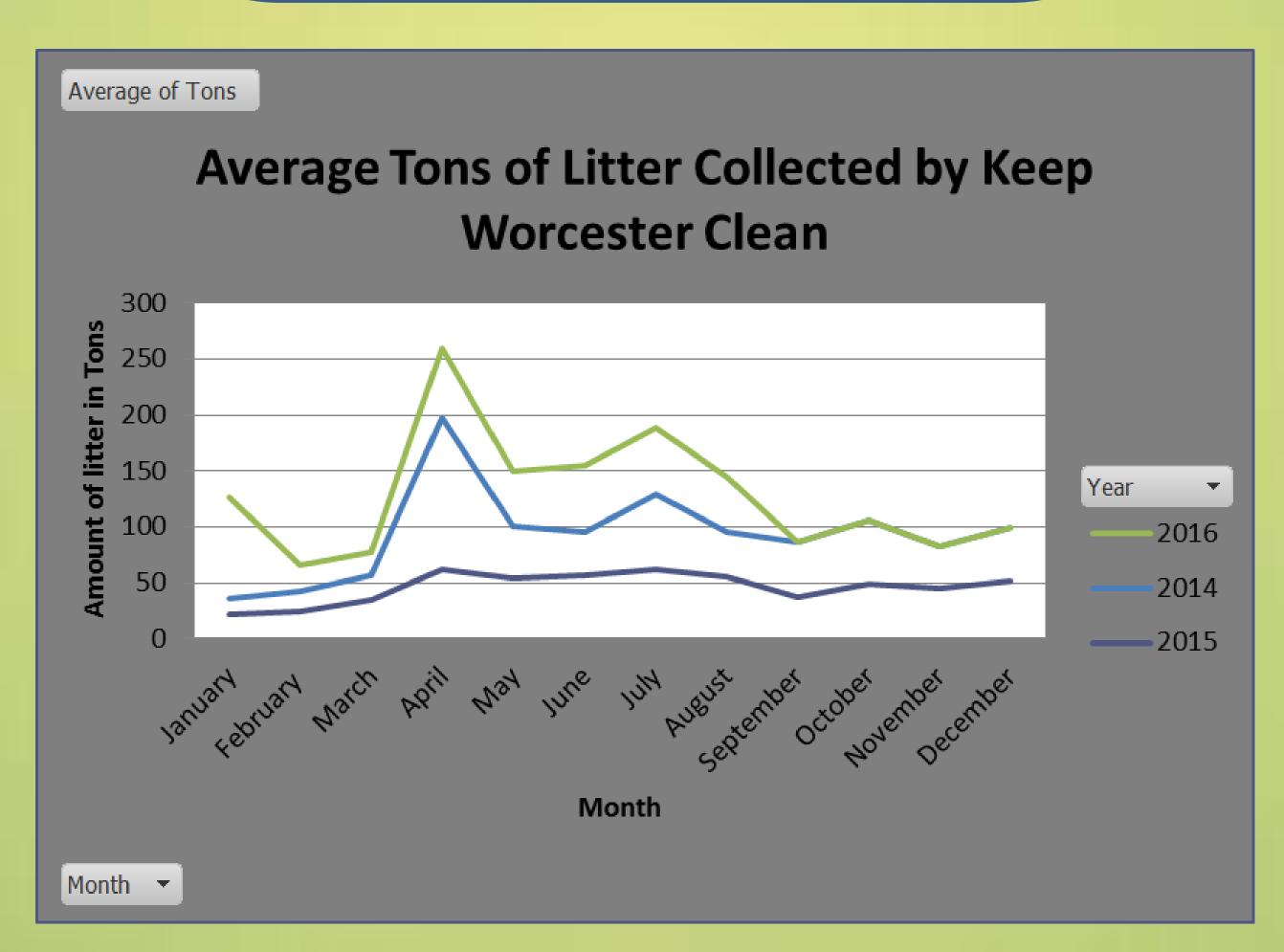
Research

- Educational approach \rightarrow reduce the problem at the source: humans
- Researched the most effective types of education, and how to best address different demographics of students in an engaging manner
- Research was also conducted in the area of how litter affects communities and the consequences of not being educated about how plastics affect the environment.

Keep Worcester Clean

- Keep Worcester Clean summary sheets from the years 2014-2016, monthly
- Purpose of use: track the city's current plans for litter reduction and see if there is improvement in the future after implementation of lesson plans
- Important information gathered: trends of high litter collection during late winter/early spring season







Implementation

- Distribute 700 paper surveys to elementary, middle, and high school classrooms in the city of Worcester
- Use data to develop effective lesson plans to present to classes in Worcester Public Schools

Solution

The solution to the low recycling rates and the litter on the street, is to educate people on how, when, and what to recycle. In order to accomplish this, we intend to educate people through the creation of lesson plans for elementary, middle, and high school students. By creating the lesson plans and teaching the students more about the harms of plastic litter, recycling rates in Worcester could rise and reduce the amounts of improperly disposed of trash on the streets.

Next Steps

Survey Worcester **Public School Students** Continue to track **Keep Worcester** Clean data

Implement effective lesson plans

References & Acknowledgements

- Whelan, L., B., Harkinson, J., Quraishi, J., Burton, S., Butler, K., . . . West, J. (2015, July 13). 4 big recycling myths tossed out. Retrieved