WASTE DEEP 3

LESSON PLAN Investigating Your School

OBJECTIVE

In *Waste Deep 3* – Investigating Your School students will:

- ✓ Conduct school-based waste-related research at the hyperlocal level
- ✓ Investigate and collect data regarding student, teacher, and custodial knowledge, attitudes and behaviors
- ✓ Learn about and collect data regarding the waste systems and infrastructure in the school
- ✓ Analyze student-captured data and share with school community

INQUIRY/CRITICAL THINKING QUESTIONS

- How close is our school to achieving Zero Waste?
- Is there sufficient school infrastructure in place to handle all our waste?
- What are the biggest barriers to recycling behavior change – knowledge, attitudes, policies, infrastructure, etc.?
- How can data be collected in a way that could be used to measure change over time?
- How can data capture and data analysis inform how we take action to affect change?

TIME NEEDED

Three 45-minute periods

MATERIALS NEEDED

Data Capture Tools Overview

Data Capture Tools

1) Waste Journal
2) Student Survey
3) Adult Interview
4) Collecting Cafeteria Data
5) Recycling Inspection Rating Chart
6) Classroom Waste Investigation
7) Bin Tally Sheet

PROCEDURE

Waste Deep 3 is an introduction to activities that students and teachers can use to capture waste-related data of the school. Students work in small groups to choose a data capture tool, learn how to use the tool, collect data, analyze their findings, and share findings with classmates.

I. **Waste Deep 2 Brainstorm Recap: (5 minutes)** review project ideas. Explain that before any meaningful project starts, it's important to conduct research and collect data – to inform project development and to track efficacy of project.
II. **Review NYC Data, Systems, and Recycling 101 Slides (WD2): (5 minutes)** review and discuss most relevant information and statistics from WD2 Slides.
III. **Overview of Data Capture Tools: (10 minutes)** review the various opportunities to collect data: Share data capture tools with students.
IV. **Data Capture Tool Selection & Preparation (25 minutes)** students select tool, learn how to use it, do an example, and plan for data capture
V. **Capture Data (45 minutes)** students use data capture tools in school
VI. **Analyze Data (20 minutes)** students analyze the data captured
VII. **Share Data (25 minutes)** student groups present their research findings to classmates

Continue the journey in *Waste Deep 4:* Taking Creative Action!