



RV INSTITUTE OF MANAGEMENT IN ASSOCIATION WITH WOW ITC-WASTE AUDIT REPORT (WELLBEING OUT OF WASTE)



Enduring Value



An ITC Initiative



Transforming Educational Institutions into



You are entering

A GREEN CAMPUS

In collaboration with

ITC WOW
(Wellbeing out of Waste)



TOGETHER WE HAVE:

- Recycled _____ Kgs of dry waste since __/__/____
- Been segregating waste at source since __/__/____



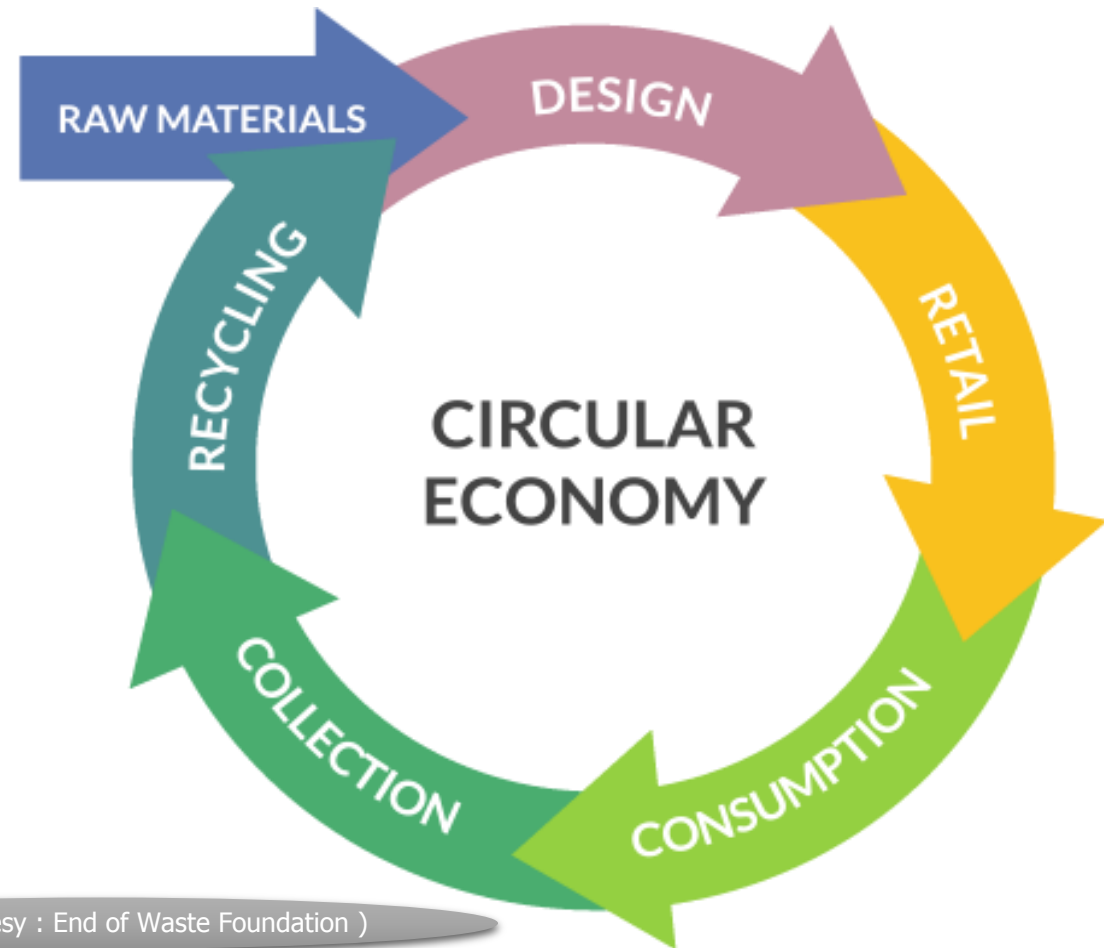
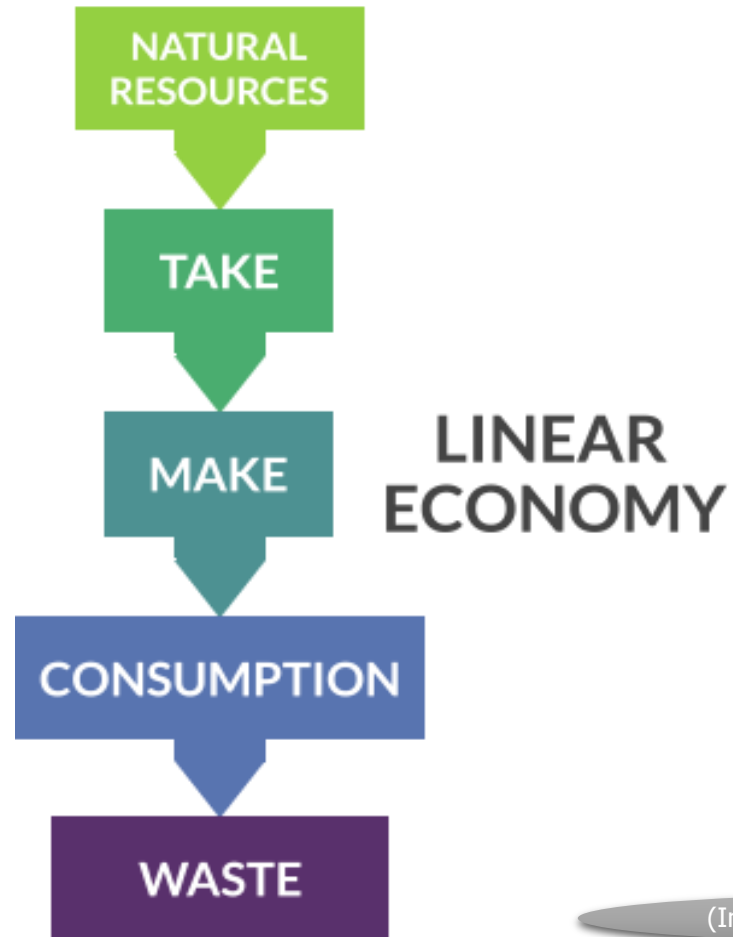
Shrinking the

CARBON FOOTPRINT

For further information

#767, Mala Sadan, 10th C Cross, West of Chord, Rajajinagar Bengaluru, Karnataka 560086

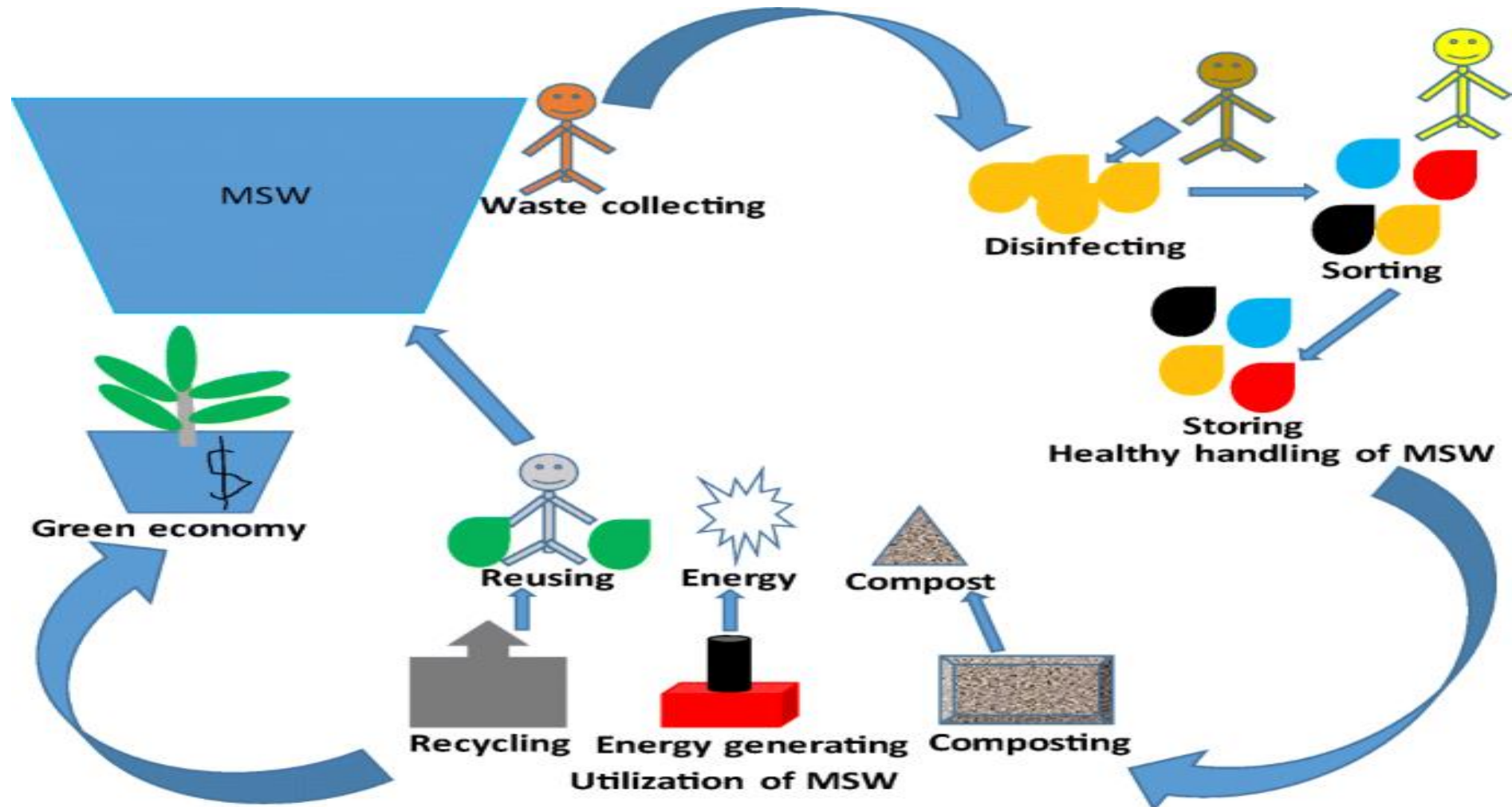
Context SettingWhere do we stand



(Image courtesy : End of Waste Foundation)

What is Solid Waste Management ...

the complete process of collecting, treating and disposing of solid wastes. In the waste management process, the wastes are collected from different sources and are disposed of. This process includes collection, transportation, treatment, analysis and disposal of waste.



What are types of waste we generate ?

Types of waste

Dry Waste



Wet Waste



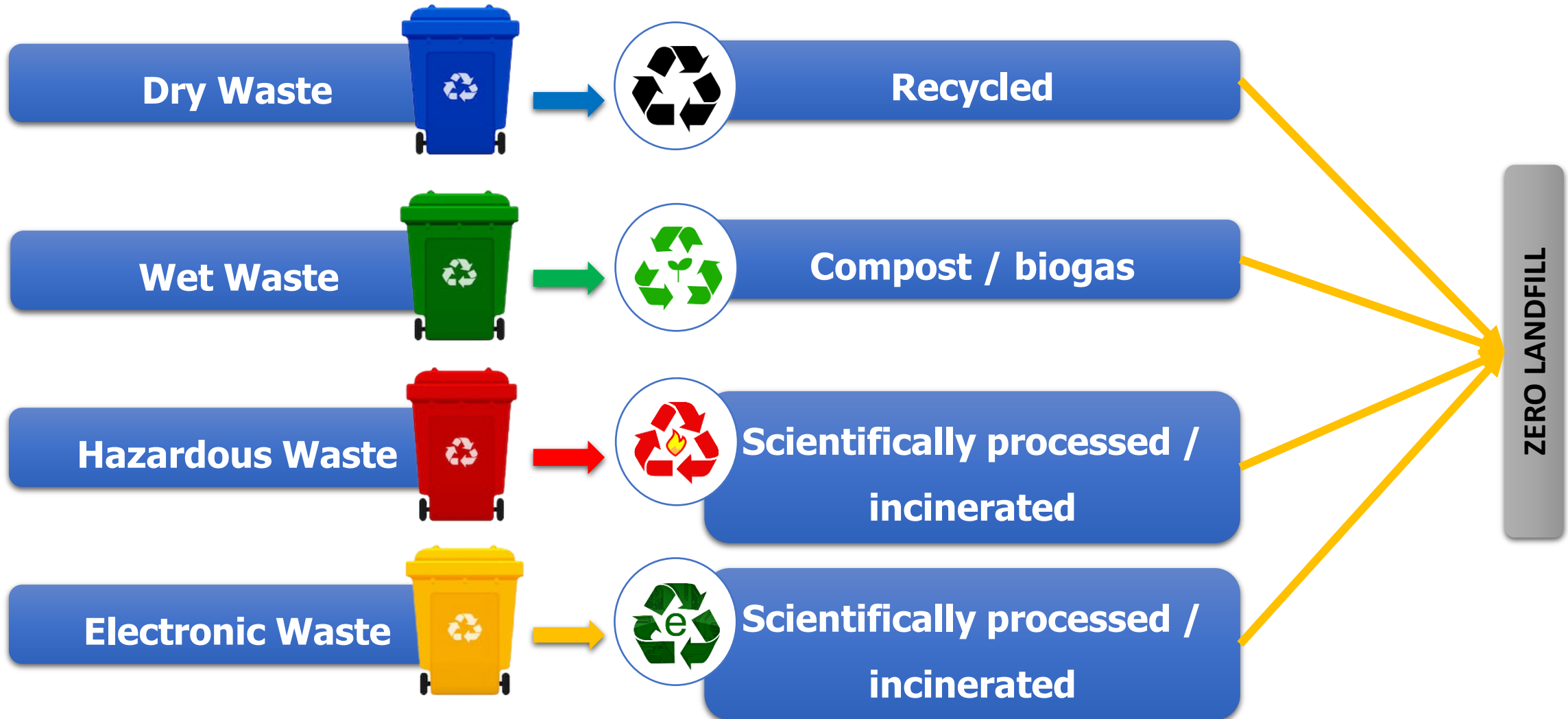
Hazardous Waste



Electronic Waste



WHERE DOES THIS END UP



RV COLLEGE OF MANAGEMENT STUDIES

Step 1 – MOU was signed by both parties on 8th May



Step 2 -Inform – Housekeeping staff workshop

- **Date – 28th May 2022**
- **No of Participants – 25**
- **Findings**
- **Housekeeping staff members need more clarity on understanding the categories of waste**
- **Housekeeping staff members struggle to work with sanitary waste.**
- **Disposal of hazardous waste rules are not followed by students**



Inform – Felicitation ceremony for housekeeping staff



Sivananda Sarma Memorial R.V. College
 UG & PG Programmes
 Affiliated to Bengaluru City University
 Accredited by NAAC with 'A' Grade
 Ranked among top 5 Colleges in India
 (India Today - MDRA Survey 2018, 2019, 2020 & 2021)

'prakurthi' the eco club organizes
'CORPORATE CONNECT FOR A CAUSE'

In association with
 ITC - WOW, Bengaluru

13th June 2022 | **12:00 pm**
 Seminar hall

Guests:
Shri. Sibsankar Bandyopadhyay
 Executive Vice President
 HR & CSR, PSPD Division
 ITC Limited
Shri. Sanjeev Goel
 General Manager, ITC WOW
Shri. Narasinga Rao,
 Regional Manager, ITC

Dr. S Anil kumar
 Principal, SMRV COLLEGE
Manasi Mishra
 Event moderator, ITC
Dr Usha V
 Event manager
 Club convener
Smitha gowda
 Co - convener

Inviting all the House keeping staff, Teaching staff and all the Eco - club students

Go, change the world™

Gift hamper to House keeping staff:

- Recognized best housing keeping and appreciated their good works.
- Presented gift hampers to 11 housekeeping staff members with WOW bag and ITC Food items.



Mr. Sib Sankar Bandyopadhyay addressing the students – he impressed upon the need to embrace sustainability as a life goal

Process Waste Mapping Study

- Study was conducted by ITC WOW in February 2022
- Study Design - Quantitative
- Data collection Methodology – Survey
- Primary and Secondary Data sets analysed

❖ Parameters for study

- Availability of Bins as per SWM Rules
- Quality of Waste Disposal practiced in the Organization
- Practice and Quality of dry waste processing
- Practice and Quality of wet waste processing

Key Findings

- The institution generates **roughly 500 kgs** of waste **DAILY**
- **60%** of the waste generated is wet waste.
- The waste generated is in a mixed form.
- **Daily Dry waste generated is not recycled.**
- **Approximately 150 tonnes** of waste goes to the landfill every **YEAR**
- **Only 10 %** of the waste is segregated at source
- **Student body is the primary waste generator.**
- **More than 50%** of the students lack clarity on dry and wet waste
- **Canteen poses the biggest challenge wrt Segregation at source.**

Key Findings

- **Of the total paper waste generated in the premises – 35 % are in the form of paper cups**
 - **Only management waste is recycled.**
 - **There are very few projects/activities that encourage reuse and recycling behaviour among students.**
 - **No waste audits conducted.**
-
- ✓ **Only 7 of the 30 dustbins on campus is labelled**
 - ✓ **None of the dustbins are colour coded**
 - ✓ **There are no signages on campus that encourage source segregation.**

TASK AT HAND

STUDENT LED WASTE AUDIT



WHAT IS A WASTE AUDITING

- A waste audit is a method for analyzing an organization's waste stream.
- To discover what types and quantities of waste (paper, plastic, food etc.) you produce within a given timeframe.
- Opportunity to investigate the types and amount of materials that get thrown away on campus each day.
- Determining what a culture deems disposable.
- Provides specific measurements of classroom waste and cafeteria waste for an entire day's worth of garbage generated on campus.



WHY SHOULD YOU DO A WASTE AUDIT ?

- ❖ Studies shows that 77% of what is thrown out is actually not trash at all.
- ❖ Institutions are probably paying too much for trash removal
- ❖ Institutions lose a lot of valuable recyclables every day. But they do not realize it because they have not had a proper waste audit to “analyze their waste streams.”
- ❖ Auditing also measures how much waste is recycled vs. thrown out.
- ❖ It helps you set recycling, reduction and diversion goals as they prepare to go green



HOW TO CONDUCT A WASTE AUDIT

- 1. Assemble a Team & Set a Date - Green Warrior Group**
- 2. Determine Your Waste Categories**
- 3. Gather Your Tools**
- 4. Sort Your Trash - Today**
- 5. Recording the data – digital and non digital - Today**
- 6. Analyse and share the data**
- 7. Next Steps After Waste Auditing**

Waste Categories

Municipal Solid Waste needs to be sorted into **5** categories

- 1. Mixed Paper & Cardboard**
- 2. Plastics**
- 3. Metals**
- 4. Glass**
- 5. Food Scraps & Food-Soiled Paper**



RECORDING THE DATA - TEMPLATE

MSW Category	Total Weight	MSW category details	End Destination

TEAM DIVISIONS

I. TEAM 1 - Sorting Team

- sort all trash into the proscribed MSW categories
- Emphasize that accuracy – not speed – or quality versus quantity
- students will make up the majority of the class

II. TEAM 2 - Weighing and Recording Team

- Weigh the bins, once full, and transfer the sorted MSW materials from the bins
- Record all data into the worksheets.

III. TEAM 3 - Photographers and Journalists

- Capture on film and paper the reactions of their fellow waste auditors
- overall experience and feel of the audit (the qualitative data).
- These notes and photographs can later be used as part of the students' campaign, and possibly uploaded to the school's website to raise awareness as well.
- Assign 2-4 students for these roles; they will be "roamers" during the audit.
- Overview what can and cannot be recycled. It helps to assemble a small sample of items found in the trash in advance to show students different examples of what is commonly found / consumed on campus.

WASTE AUDIT – IN A NUTSHELL

HOW TO CONDUCT A WASTE AUDIT

1

Choose audit dates and keep them a secret. (Alert cleaning staff so they don't toss the trash). This way employees won't anticipate the audit and skew the results.



2

Gather a tarp, rubber gloves, a scale, trash bags, a pen and tracking sheet.



3

Collect all trash. For larger offices, choose a sample size that can be scaled.



4

Dump the trash on the tarp and begin sorting it, separating any recyclables and compostables.



5

Weigh final bags of trash, recyclable and compostable materials.

6

Make notes about commonly trashed items, and look for areas of improvement.



7

Repeat the audits twice more (three times altogether) and average your totals. This provides a clearer picture of how your office is doing.



8

Finally, present the data to your office!



SERA