

Household Waste Survey



INTRODUCTION:

The lesson plan engages students in the process of collecting information through surveys. The information collected is to do with household waste management, which will sharpen their understanding on the extent of the problem. Students will also be encouraged to analyse and represent the information collected as part of the surveys.

Objectives:

Students will be able to

- undertake surveys to gather data pertaining to waste management and disposal practices followed by individuals and households.
- Analyse and interpret the data collected; represent and display the same.

YRE steps: Investigate, Research Solution, Report, Disseminate

Curriculum Linkage: Science/ Environmental Studies/Social Science/ Numeracy and Mathematics

Resources Required:

- Students writing material.
- **Resource 3:** Household level survey – questionnaire

Time required/ Duration:

- 90 minutes (spread over two classes of 45 minutes each) for data analysis and representation.



Activity

Classroom session 1

- Initiate a background discussion to
 - Explain to students the importance of collecting information through surveys and then representing the data collected in different ways with regards to the waste generated.
- Divide the class into groups of 3-4 members for conducting the survey.
- Discuss the survey format given as resource.

Group Assignment 1

- Student groups survey 15 - 20 households over 2 weeks.
- Resource 3 could be used or modified for the survey.

Classroom session 2

- Provide students 45 minutes of classroom interaction to discuss and analyse their finding.
- Provide students with 45 minutes of classroom based work. Students should represent the data gathered and display the same on bulletin board as part of Inform and Involve. YRE students can share this as an article or photostory on different media.
- As part of survey interpretation students could analyse people's practices towards segregation and disposal of waste.

Resource 3

Household level survey – questionnaire

Survey Date:.....

Name of Surveyor:.....

1. Name of Municipality.....
2. Name of Neighborhood/ locality.....
3. Name of the head of the House Hold (HH).....
4. Educational qualification of the head of the HH.....
(a) Illiterate (b) Primary Schooling (c) Secondary Schooling (d) College or Higher
5. Profession of the head of the HH.....
(a) Government employee (b) Private employee (c) Business/Entrepreneur
(d) Student (e) Housewife (f) Retired (g) Other
6. Monthly income/expenditure:.....
7. Household family size:.....
8. Do you agree if the waste is not disposed properly, it can pollute the environment? Y / N ;
If yes, identify the causes/reasons for some of these problems
(a) As there is no dustbin nearby, wastes are disposed anywhere and this creates a nuisance.
(b) Wastes are not collected regularly.
(c) Wastes are left around the dustbin.
(d) Wastes are left in the drain.
(e) Wastes are left on the road.
9. Who disposes your household waste?
(a) Servant (b) Family member (c) Anyother person
10. Where is the household waste disposed?
(a) In the dustbin (b) By the side of the road
(c) In an empty space near the house
(d) waste collector from the municipality do the door to door waste collection
14. How much are you currently spending for waste disposal per month?
15. Satisfaction level about the present municipal waste removal system:
(a)Very good (b) Good (c) Ok/medium (d) Not satisfactory
16. How often do you dispose of your household waste?
(a)Every day (b)Once every two days (c) Once every three days

17. How do you dispose your household waste in:
 (a) Polythene /plastic packet (b) Small bucket (c) Any other container
18. Generally, when do you dispose of your waste?
 (a) No definite time (b) Between 6am to 6pm (c) After 6pm
19. How often does the city municipality collect the waste?
 (a) Everyday (b) Once in two days (c) Once in three days (d) Irregularly (e) Don't know
20. Which system do you prefer for removal of your household waste?
 (a) A collector will collect the waste from the house. (b) The collector will come to a certain place at a certain time, you will give him the waste. (c) You yourself will dispose the waste in the dustbin. (d) You will keep your waste container at a certain time by the roadside and the collector will collect it from there.
21. Rank your priority (from 1-4, with 1 being the least on the priority list):

Facilities	Priority
Water supply	
Sanitation	
Solid waste management	
Drainage	

22. What do you feel is the most common type of waste generated at your home?
23. Would you like to dispose waste from your household daily?
24. What types of wastes are you willing to store for a few days
 (a) Wet waste (b) Packaging material including milk covers and other food packaging
 (c) Batteries (d) Household sanitary waste (e) Electronic waste
25. Would you segregate your household waste because
 (a) It's your responsibility (b) It's mandatory (c) It can generate some income
26. What types of waste are you segregating and selling?
27. Do you know where the household waste is taken?
28. Are you willing to participate in the exercise to assess the volumes of waste produced for different categories?

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