



ENHANCING CIVIC
ENGAGEMENT

WASTE MANAGEMENT

TEACHER'S GUIDEBOOK

Class VII



**State Council of Educational Research and Training
Government of Goa**

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Content Lead : Dr. Garima Tailang-Desh Apnayen Sahayog Foundation

Subject Matter Experts and Contributors : Mr. Sujit Dongre, Centre for Environmental Education, Goa
Mr. Abhinav Apte, GM, Solid Waste Cell, Dept of Science & Technology
Ms. Patricia Pinto - Director, Solid Waste Management Corporation & Social Activist

**Reviewed by-
Goa Teachers** : Mr. Umesh Kerkar, Sharada English High School, Marcel
Mr. Tukaram Salgaonkar, GHS Shristhal, Canacona
Mrs. Soniya Sachin Naik, Deepvihar High School,
Headland Sada, Vasco, Goa
Dr Nita G. Salunke, Smt. Sunandabai Bandodkar High
School Salvador-do-Mundo, Bardez-Goa
Mr. Siprian Rejinal Braganza, St.John Of The Cross High
School, Sanquelim- Goa

Shantilal Muttha Foundation : Ms. Meghana Desai, Deboshree Bhattacharjee



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Guidebook for teachers which will provide directions to carry out different activities, conduct school events and also provide guidelines to execute community engagement projects

Approved for pilot by -

**State Council of Educational Research and Training (S.C.E.R.T.)
Government of Goa**

Subject Linkages Sheet for Waste Management Std-VII

No.	ECE Activities	Subject Linkages Chapter Number, Name & Page No
	Topic 5. Responsibility towards waste management	Science - Part 2
1	Lesson/Activity plan: Concept teaching - Responsibility towards waste management	1. Science book, CH 18, Wastewater Story Page no - 337 2. CH- 18 - 18.6 - BETTER HOUSE KEEPING PRACTICES; Page no - 242
2	Activity 1 - Decorate dustbins for waste segregation	Chapter - 18 - Wastewater Story, 18.6 - BETTER HOUSE KEEPING PRACTICES; Page no - 242
3	Activity 2 - Speech on "Waste problem in my village and my responsibility"	Chapter - 18 -Wastewater Story, 18.9 - SANITATION AT PUBLIC PLACES; Page no - 244
4	Activity 3 - Eco monitors in the classroom	
5	Activity 4 - Campaigning towards "Zero-waste" Living	Chapter- 18 Wastewater 18.9 - SANITATION AT PUBLIC PLACES; Page no - 244
	School - level activities/events	
1	Litter-free zone in school	(To be planned in the school yearly plan as part of exposure visits/eco clubs/science committees/value education/art & craft period/work experience period/scouts & guides, science exhibition/science experiments or on Special day like 15th August or 26th January)
2	Display of good practices of waste management	
3	"Joy of giving" event	
4	Jumble sale	
5	Pet bottle recycling plant	
6	Observe the recyclable vs. non-recyclable waste	
	Community-level projects	
1	Community drive	
2	Interview with sanitary workers	

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Topic 1. Responsibility towards waste management

1.1 Responsibility of students and parents

1.2 Responsibility of school

Expected outcomes

At Student level-

1. Students will develop the necessary skills to comprehend the problem and take appropriate action.
2. Develop attitudinal change for desired action

At School level-

1. School would be able to make students responsible citizens and take action to solve problems.

Lesson/Activity plan: Concept teaching - Responsibility towards waste management

Time	Activities	Resources/ TLM
5 min	<p>Step 1: Recap and brainstorming</p> <p>Start a discussion on waste and its different categories.</p> <p>Ask the students -</p> <ol style="list-style-type: none"> What have you understood about waste segregation and management? What are the steps we should follow at home, class and school? What all can you do as a student to make your class, community and country a zero-waste place? How can our school follow waste-reduction practices? 	Verbal



	<p>responsible for the waste management of our area, community and country. However, we need to think about our responsibility first.</p> <p>6. Sum up the discussion.</p>	
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Activity 1 - Decorate dustbins for waste segregation

Activity time - 1 period/45 minutes

Material required - Chart paper, scissors, glue, colour pens

Steps for activity -

1. Divide the class into 5-6 groups and ask them to bring cardboard/cartons from their homes.
2. Give them the task of making dustbins out of waste supply, colouring them, decorating them, and putting up stickers for different types of wastes on them.
3. Use these dustbins in your own class or school campus to practise waste segregation.

Activity 2 - Speech on “Waste problem in my village and my responsibility”

Activity time - 1 period/45 minutes

Material required - NA

Steps for activity -

1. Ask the students to prepare a short speech of five minutes on the topic at home, and encourage them to speak about the steps they will follow to solve the waste problem.
2. Encourage everyone in the classroom to speak.

Activity 3 - Eco monitors in the classroom

Activity time - 25 minutes

Material required - NA

Steps for activity -

1. Announce the eco-monitor concept in the class.
2. Encourage everyone to voluntarily send in their nomination. Only two members will be selected for the month.



3. Call for participation and ask every student to vote for candidates.
4. Declare the result and give the responsibility to eco-monitors to monitor the waste management practices of the class for the month.
5. Eco-monitors will be responsible for laying out the action points for the month to make their class a zero-waste class. They'll also encourage others to follow the rules of the month like -
 - a. No plastic bags
 - b. No packaged foods in school
 - c. Use recyclable water bottle
 - d. No tearing of papers
 - e. No littering in the classroom
6. Eco-club members should be changed on a rotational basis.

Activity 4 - Campaigning towards “Zero-waste”

Activity time - 45 minutes

Material required - Chart paper, scissors, glue, colour pens, old newspaper and magazines

Steps for activity -

1. Students will prepare placards, slogans and posters and put them up on the school campus with small messages on waste reduction, management, saving the environment, etc.
2. Students can prepare a pledge for waste reduction and place it in the school assembly hall, classrooms, library, canteen, etc.

Student's book worksheets -

1. What can be reduced, reused and recycled?
2. Your decision
3. Make an action list for school waste management



School-level activities/events

1. Litter-free zone in school

1. Form an eco-club in school. Call for voluntary participation from students and keep the maximum member count at 20. Let the members identify an area in the school where they can set up a litter-free zone. It must be an area that most students visit regularly and so, the chances of littering are very high. For example, it can be the playground, assembly or canteen.
2. The activity is to make the area a "litter-free zone" within a month. Mark it, label it, place dustbins, put posters and slogans, and decorate the area in your own way.
3. Showcase the pilot project and replicate this project in your entire school.
4. Teachers can help the eco-club members in taking permissions from the Principal and in lauding the success of the project.

2. Display of good practices of waste management

1. Students can collect news stories, facts and the best practices throughout the country for waste management.
2. Make charts or posters on the same.
3. Display the same on the school notice board on a rotational basis.
4. Students can also use the best practices in Goa and the people working voluntarily as success stories to be displayed.

3. "Joy of giving" event

1. Announce the "Joy of giving " day in your school.
2. Ask the children to bring stationery which they want to donate to children in need.
3. Students need to collect stationery from all classes (items which are not in use but in good condition).
4. Make stationery kits out of collected items. Make as many as possible with at least the basic items.
5. Distribute the kits to children in need from a slum area or Anganwadi centres in villages.
6. Eco monitors of each class can participate in the collection and making of stationery kits.



7. Teachers need to coordinate and arrange the donation centre.

4. Jumble sale

1. Announce the event of jumble sale of electronic waste in your school.
2. Encourage the students to collect reusable e-Waste from their homes and neighbourhood and organise a jumble sale.
3. Keep prices minimal and ask the parents to participate voluntarily in organising the event.
4. e-Waste which is not usable, can be sent to recyclers. Collect and send these items to local recyclers under the teacher's supervision.

5. Pet bottle recycling plant

1. The school can associate with an initiative like the Bisleri recycling campaign (Research other available recycling centres near your school or community with whom you can associate) and set up a recycling unit at the school level. (Read more: <https://www.bisleri.com/pet-recycling/#tillhere>)
2. Eco-club members can collect pet bottles from the community or organise a one-day camp to collect the same, thereby utilising the plant to create a safe environment.



Community-level projects

1. Community drive -

The school can involve all grades and divide the work/task accordingly. Various activities can be conducted under this project for cleanliness and waste management:

1. Zero-waste/No plastic bag campaign
2. Street plays
3. Wall paintings and beautification/Putting up dustbins
4. Theme-based cultural events - Dance, drama, songs, slogans, guest speaker, etc.

2. Interview with sanitary workers

1. Ask the students to interview sanitary workers of the school, home or community about their work, waste trail, their experience, and problems faced in this profession.
2. Students can take up this project in groups.
3. Students need to prepare a card, band or "Thank you" note for the sanitary workers for helping us keep our surroundings clean, and give it to them after the interview.



