

Central Contra Costa Solid Waste Authority Wastebusters Action Plan Application



Wastebusters Contacts:

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Action Plan

Task	Contact/Resources
Visit a pilot school at lunch time to observe procedures (coordinator, principal, custodian)	Ruth Abbe ruth.abbe@abbeassociates.com can facilitate visits to pilot schools
Conduct a waste audit and "binventory"	Nancy Deming nancyldeming@gmail.com
Meet with coordinator, principal, custodian, and Wastebusters contacts to discuss action plan/equipment needs/start date	Coordinate with Wastebusters contacts/principal/custodian/interested faculty
Identify start date	
Schedule assembly or presentation prior to start date (plan your own or schedule through Wastebusters)	Jessica Robinson jessicajanerobinson@gmail.com
Order equipment, print lesson plans, letter for parents, posters	Ruth Abbe ruth.abbe@abbeassociates.com
Identify students for Compost Monitors (class or grade or club)	
Train Compost Monitors	Jessica Robinson jessicajanerobinson@gmail.com
Train teachers on the lesson plan to be conducted on the start date	Coordinate with your teachers/principal
Schedule parent volunteers to assist with monitoring for the first month	Coordinate with your PTA or Green Team or ask for help
Send letter to parents notifying them of the new program and the start date	
Work with custodial staff to stage lunch stations and distribute bins	Coordinate with custodial staff/principal
Distribute lesson plans and posters	Coordinate with your teachers
Monitor and provide feedback	Ruth Abbe ruth.abbe@abbeassociates.com
Identify coordinator to provide on-going support for the next school year	Coordinate with your PTA or Green Team or ask for help

http://www.wastediversion.org/app_pages/view/36



Infrastructure/Materials

Materials	Number Needed
1 Lunch station recycling bins – 32 gallon (blue)	
2 Lunch station compost bins – 32 gallon (green)	
3 Slop bucket – 5 gallon (red)	
4 Classroom recycling bins – 14 gallon square (blue)	
5 Classroom/restroom compost bins – 7 or 10 gallon (green)	
6 Rolling carts (for staging recyclables) – 50 gallon (blue)	
7 Tall compost bin for kitchen or teachers’ lounge – 23 (green)	
8 Tall recycling bin for copy rooms or teachers’ lounge – 23 gallon (blue)	
9 Deskside recycling containers for offices – 7 or 10 gallon (blue)	
10 Trash pickers for Compost Monitors/Custodians	
11 Recycling Monitor aprons	
12 Sidecars for trash – 1 gallon (black)	

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RECYCLING AND FOOD SCRAPS AT LUNCH

Recycling and Food Scraps at Lunch A lesson plan for Grades 3-5

INTRODUCTION

On the first day of the new recycling program students will make a poster to show how materials are recycled in school.

BACKGROUND

Recycling is important for the environment to preserve and protect our resources for ourselves and for future generations. Today we are proud to be introducing our recycling program at school to include food scraps.

The decomposition of food and other organic materials under anaerobic (without oxygen) conditions in landfill produces methane, a greenhouse gas 21 times more potent than carbon dioxide. The US Environmental Protection Agency (EPA)

The amount of methane produced from one ton of food scraps in a landfill is equivalent to driving 5,000 - 10,000 miles in a 20 mpg pickup truck.

Food scraps in landfills also produce leachate (leakage) a liquid which flows down through the layers of waste ending up in surface streams and rivers. On its way, it can be highly toxic and cause a serious environmental and health risk unless carefully collected and treated.

By diverting food scraps from a landfill and school can help reduce greenhouse gases responsible for global warming. To do this at school we need your help by teaching and learning the correct procedures we can reach our goal of keeping most of our discarded materials out of the landfill.

This year recycling in school will be different, there will be food bins. Today we will learn how to identify different types of materials and the type of bin they go in. This is an important step - it will help you successfully recycle.

CELEBRATE
Read aloud or summarize the important information about recycling and food in this lesson to celebrate.

- Objectives:**
- Understand why recycling is important
 - Be able to identify and sort the three types of materials (recyclable, food scraps, and trash)
 - Understand and explain the change in their school recycling program

Standards: Science, Social Studies
Skills: Analysis, classification, observation, problem solving

Grades: 3-5

Time: Approximately 30 minutes

Materials:

- Chart paper
- Markers
- Handout "Recycling Bin"
- Handout "Bin"
- Tape or Glue

Advanced Preparation: Read the instructions if working in groups to produce posters activity in #11 you need an extra copy per group of handouts: "Recycling Bin," and "Bin"

2. FOOD SCRAPS (green bin) Ask: What are food scraps and in which bin do we put food scraps?

Four articles are materials which come mostly from animal or plant sources.

Use: Arrange some of the materials in the handout "Bin". Ask questions like: "Where does meat come from?" (meat - animal), "Are our food scraps in the green bin. The recycling company will take our food scraps to feed newly from the methane gas and compost to give to farmers and gardeners on their farms and in their. Here: Our food scraps from animal or plant sources of the local city Municipal Utility Services food scraps (spencer in Cleveland) These materials are burned to produce energy produce energy that is used to create energy. This question involves before after the digestion process can be used by a city government. (See picture 2 of food scraps)



RECYCLE

clean paper, plastic containers, aluminum foil, bottles, cans, milk cartons, juice boxes

14

COMPOST

food scraps including fruit and vegetables peelings, leftover meat and bread, food-soiled paper including paper napkins and paper plates

15

LANDFILL

plastic wrappers, plastic bags, utensils, straws

16

Let's Compost in the Bathroom...

PAPER TOWELS ONLY!

SOLO TOALLAS DE PAPEL
在衛生間有機堆肥...只要紙巾

不要 塑膠 金屬 玻璃 垃圾

NO
PLASTIC - PLASTICO
GLASS - VIDRIO
TRASH - BASURA
METAL

17

Education/Posters

	Materials	Number Needed
13	K-5 Lesson Plans	
14	Lunchroom Recycling (11 x 17)	
15	Lunchroom Composting (11 x 17)	
16	Lunchroom Trash (11 x 17)	
17	Bathroom paper towel composting (8.5 x 11)	

Contact:

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**Central Contra Costa Solid Waste Authority
Wastebusters Commitment Form**



School Site: _____

Target Date: _____

Coordinator Name: _____

Signature: _____

Email: _____ Phone: _____

Principal Name: _____

Signature: _____

Head Custodian Name: _____

Signature: _____