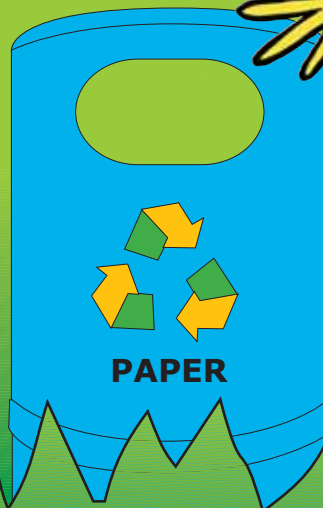
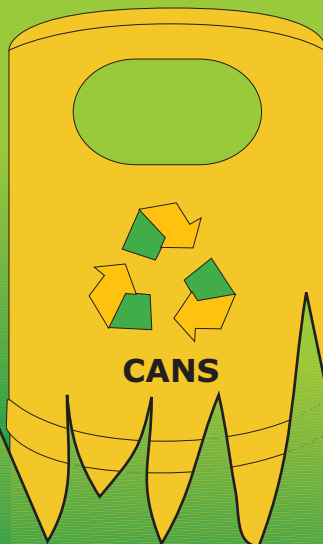


# A Litter-free Environment

A Litter-Free Educational Kit for Pre-school Children



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# Introduction

**Hi, I'm Owen the Owl  
and we're going to learn  
how we can keep our  
homes clean and litter-  
free!**



Continual education is one of the key initiatives that the National Environment Agency (NEA) has adopted to raise awareness of as well as encourage the public to take ownership of their litter and keep the place clean. This Educational Kit aims to nurture in the pre-schoolers the good habits of disposing their litter properly. It also emphasizes the importance of keeping the environment clean for everyone to enjoy and live in.

## LESSON ONE

# LITTER AND THE PESTS

### OBJECTIVES

Children will:

- ✿ learn what littering is.
- ✿ understand the harms of littering.
- ✿ to appoint Litter-Free Ambassadors.

### WHO ARE LITTER-FREE AMBASSADORS?

The Litter-Free Ambassadors (LFAs), preferably K2 students, will assist their teachers to inspect the classroom/centre for cleanliness lapses on a daily basis, using a simple check list. They will share with and educate their fellow classmates on good habits to adopt such as disposing unwanted items properly to keep the environment clean. The role of LFAs could be rotated on a monthly basis so that more pre-schoolers can play the leadership role in keeping the environment clean. At the end of each term, a session should be arranged for all LFAs appointed during the term to share their experiences and how they think they can help to keep the environment clean, especially beyond the classroom.

### WHAT TO DO?

#### Preparation

1. Prepare some rubbish such as empty cans, bottles with some water left in them, crushed paper, tissue, bread, chocolate wrappers, etc..
2. Before the class begins, put these rubbish in the classroom. Lie them everywhere around the ground.
3. Print ***Litter-Free Ambassador Badge Design Sheet 1***. Each sheet contains 6 badge designs. Cut out enough badge designs for the appointed LFAs in the class. Paste double-sided tape at the reverse side of the badge.

## Activity (approx. 30 mins)

1. Divide the children into 3 groups.
2. Ask the children these questions:
  - What do you see around you? (*rubbish – get the children to name some of the rubbish*)
  - Is the classroom dirty? (*yes*)
3. Tell the children these rubbish that they see are called litter.  
(*Litter is any rubbish which has not been placed properly into bins. Litter includes any rubbish that has been dumped, dropped or left behind.*)
4. Ask the children this question:
  - Do you know what pests are? (*Explain to the children what pests are*)  
(*Pests are undesirable animals and insects which can spread germs and diseases to people or destroy our things and food. Examples of pests are cockroaches, flies, mosquitoes, rats, etc..*)
5. Inform the children how litter can attract pests:
  - Mosquitoes can breed in water collected in litter (*i.e. drink bottles, rain water collected in litter, etc..*)
  - Food can attract pests such as flies, cockroaches, lizards and rats. These pests live in dirty places and can spread germs and diseases to us.
6. Ask the children this question:
  - Why can't we litter? (*get the children to provide with the answers and reiterate by explaining to them*)

Explain to the children why we cannot litter.  
(*When we litter, we attract pests. Pests will cause harm to us, spread germs and diseases to us and we will fall sick*).

The group who answers most of the questions correctly will be appointed as the LFAs.  
(*Explain to the children their roles as LFAs*)

7. Rotate the appointment of LFAs every quarterly or monthly so that each and every children will take on the role and responsibility as a LFA.

## WORKSHEET 1

*Worksheet 1 is a checklist for LFAs to identify litter when they are checking their classroom.*

1. Give the appointed LFAs a copy of the checklist.
2. Allocate 10 minutes of the time for the children to walk around the classroom/school/playground compound every morning or tea break time.
3. Tell the children they are ***Litter-Free Ambassadors***.
4. Get them to tick the checklist of items/litter they spot around the area.
5. Ask them to return the checklist to you at the end of the checks.
6. Give them the Ambassador Badges and ask the children to write their name in the space provided. *(i.e. the space above the words “is a proud litter-free ambassador”)*  
**OPTIONAL: You may get the children to colour their own badge.**
7. Paste the badge on their uniform.

# Litter-free Ambassador Badge Design Sheet 1









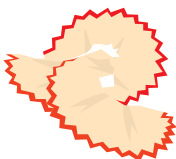

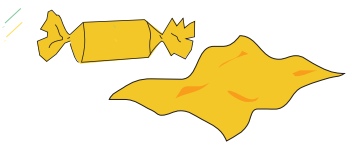
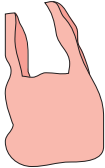
## WORKSHEET 1

# Litter-free Ambassador's Checklist

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Can you spot any of these rubbish in your classroom/ school/ playground area?

 Apple Core	YES	NO	 Banana Peel	YES	NO
 Empty Drink Can	YES	NO	 Empty Milk Carton	YES	NO
 Pencil Shavings	YES	NO	 Used Tissue Paper	YES	NO
 Sweet Wrappers	YES	NO	 Plastic Bag	YES	NO

Others: Please draw and name the rubbish
--

Have you picked up the rubbish and put them into the rubbish bin?

YES	NO



## LESSON TWO

# WHAT ARE THEY?

### OBJECTIVES

Children will:

- ✿ learn about the different kinds of rubbish.
- ✿ recognise the 3 types of recycling bins available and which bin the rubbish should be thrown into.
- ✿ recognise the different types of rubbish and the material they are made of.
- ✿ know some rubbish can be Reduced, Reused and Recycled.

### WHAT TO DO?

#### Preparation

1. Prepare 4 bins, with one bin labelled “PAPER”, the other labelled “PLASTIC and GLASS” and another bin labelled “CANS”, and the last bin labelled “Rubbish”. Print out **Activity Sheets 2A – 2D** (this will consist of the 3 types of recycling bins – Drink Cans, Glass & Plastic Bottles, Paper and a litter bin printed on the sheet). Cut out the 3 different types of recycling bins and 1 litter bin.
2. Tell the children to bring 3 to 4 unwanted items from their homes (i.e. empty tissue boxes, empty cans, newspaper, Yakult bottles, etc.).
3. You may also prepare some items in case the children do not bring enough.

## Activity (approx. 30 mins)

1. Tell the children we are going to learn about the different types of rubbish that we see everyday.
2. Show them the different types of rubbish that you have brought. Explain to them the different materials they are made of and if these materials can be recycled.
3. Explain in general that we can Reduce, Reuse and Recycle rubbish so that we can do our part to make the environment clean and green.
  - (a) REDUCE
    - We can use Reusable Bags when we go to the supermarket. This will help to reduce the number of plastic bags used.
    - We can buy 1 big packet of milk instead of buying many smaller packets of milk. This will help to reduce the number of packages used.
  - (b) REUSE
    - We can use give away our old/used story books instead of throwing them away. The story books can be used over and over again.
    - We can make crafts out of empty tissue boxes and cans.
  - (c) RECYCLE
    - Tell them by recycling 1 ton of paper, we can help save 17 trees.
    - Tell them by recycling an aluminium can, we can save 95% of the energy to make a new one.
4. Point out to them that soiled food items such as containers with oil/gravy/sauce, cannot be recycled.
5. Divide the class into 3 groups. Each group will hold onto a recycling bin.  
*(Explain to them there are 3 kinds of recycling bins around Singapore – Drink Cans, Glass & Plastic Bottles, Paper).*  
You will hold on to the litter bin.
6. Bring out the plastic bag and ask the class:
  - what material is this made of?
  - can it be recycled?
  - which bin should the rubbish go to?Put the rubbish into the correct bin.
7. Repeat this with the other rubbish.
8. Collect the bins and the rubbish from the children and distribute **Worksheets 2A – 2D** to them.

## WORKSHEETS 2A – 2D

*Worksheet 2A contains Owen, 3 different rubbish (an empty can, a glass bottle & a paper bag) and 3 different types of bins (Drink Cans, Glass & Plastic Bottle, Paper). The children are to help Owen put the rubbish into the correct bin.*

1. Tell the children to help Owen find the right path to throw his rubbish.
2. Children who have all the right answers will get a star sticker.

**OPTIONAL:** You may get the children to use different colours to draw the lines.

*Worksheets 2B – 2D consists different sets of anti-littering/REDUCE, REUSE AND RECYCLE phrases.*

1. Distribute **Worksheets 2B – 2D** to the children. (1 Worksheet for each child)
2. Tell the children to make a decorative poster (*i.e. draw illustrations associated with anti-littering and colour the poster*).
3. Put up all the posters around the classroom or the school.

## MORE INFORMATION

For more information on 3Rs, you may log on to:

<http://app2.nea.gov.sg/requestedumaterials.aspx#eduwaste>

[http://app2.nea.gov.sg/topics\\_recyclingprog.aspx](http://app2.nea.gov.sg/topics_recyclingprog.aspx)

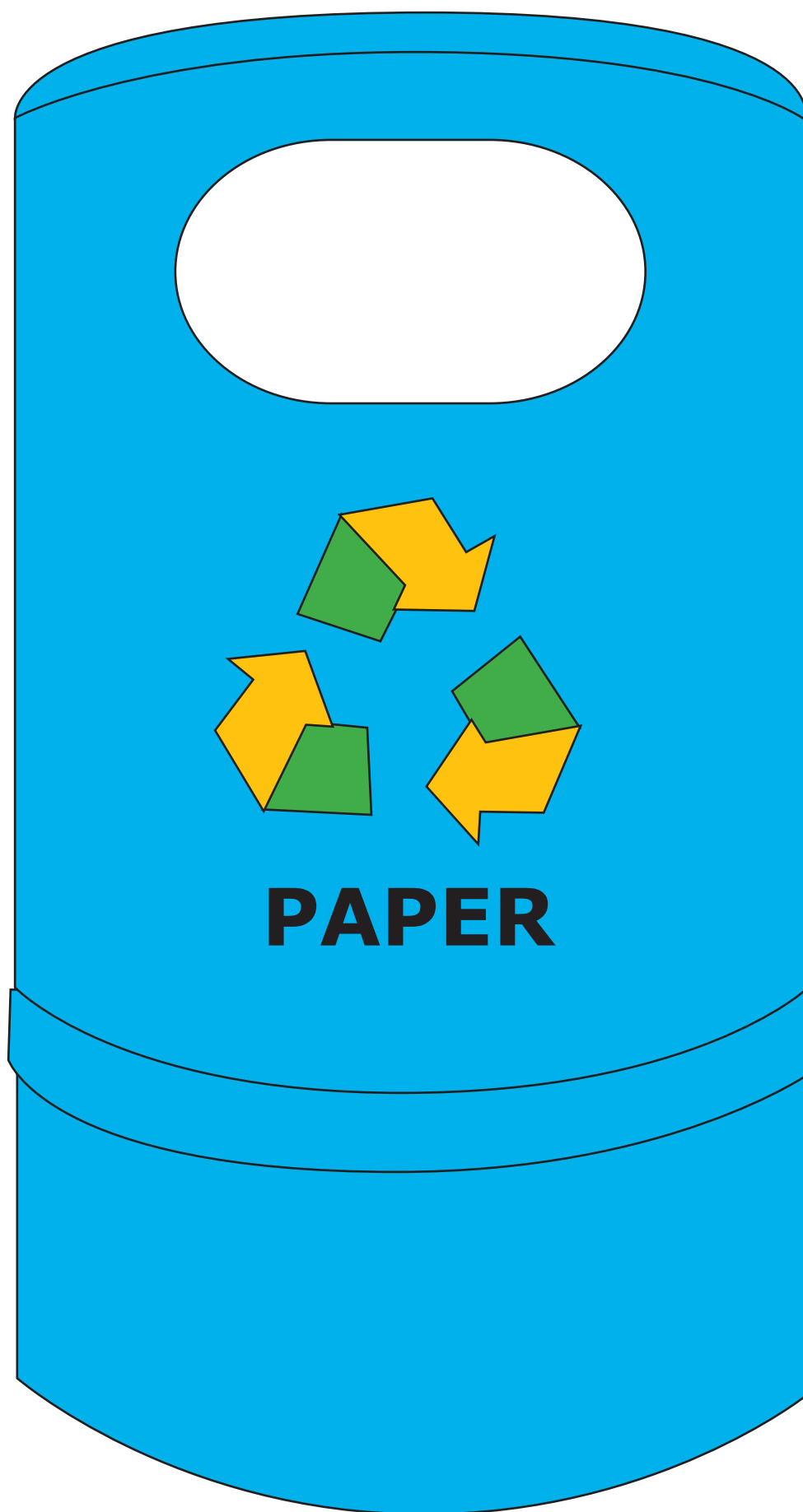
## ACTIVITY SHEET 2A



## ACTIVITY SHEET 2B



## ACTIVITY SHEET 2C



## ACTIVITY SHEET 2D



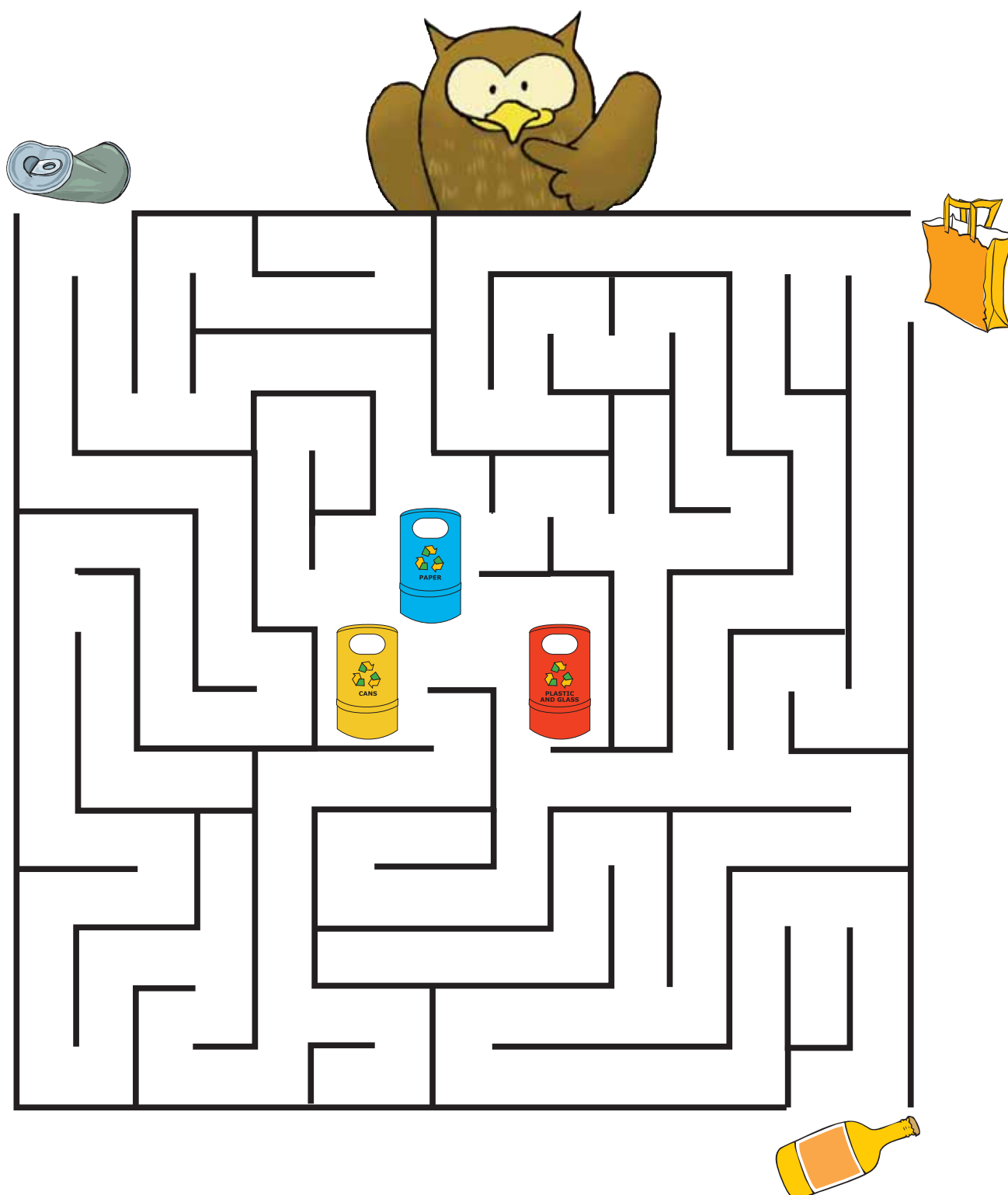


## WORKSHEET 2A

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Help Owen the Owl put the rubbish  
into the Correct Bin.

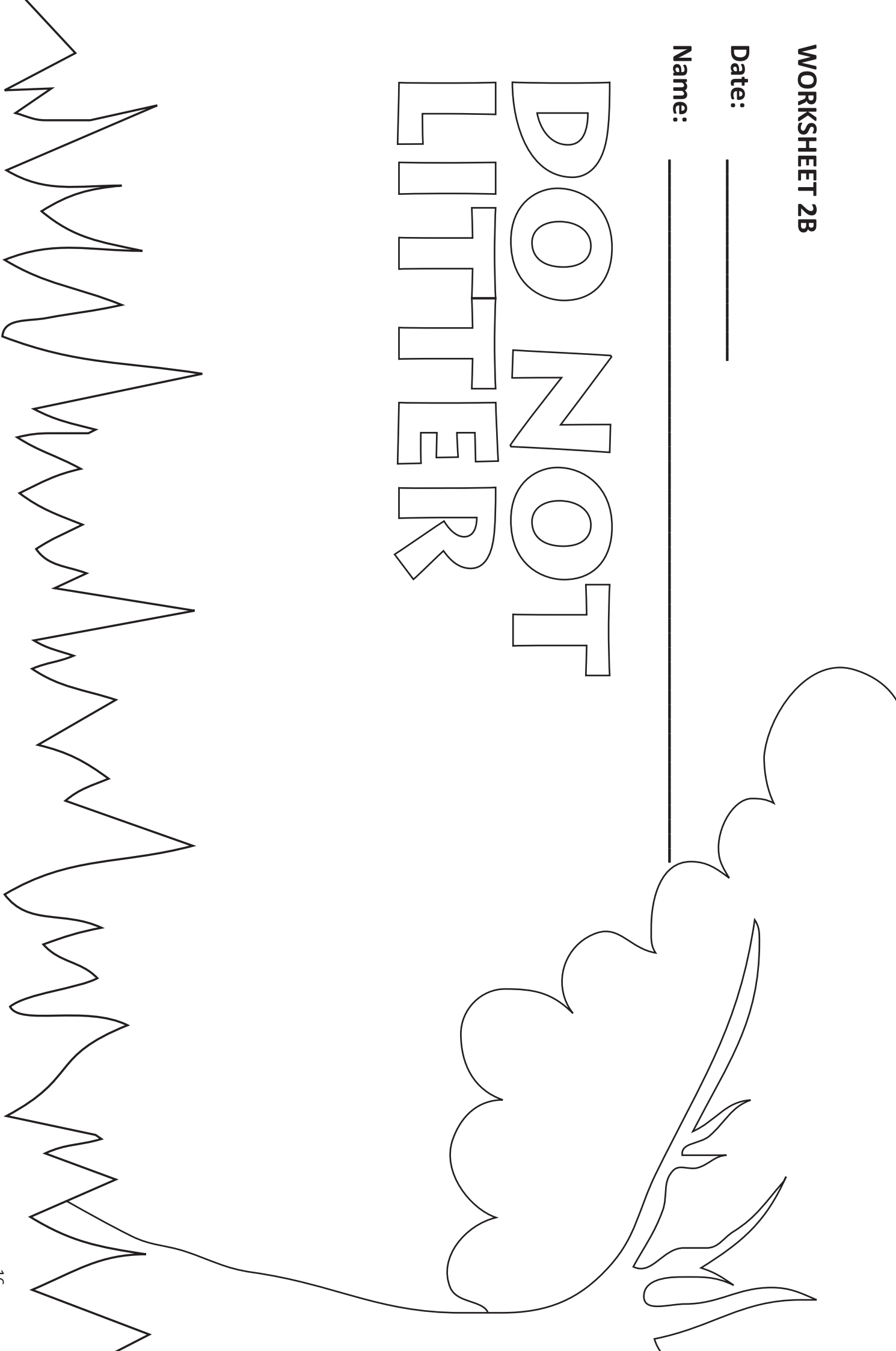


## WORKSHEET 2B

Date: \_\_\_\_\_

Name: \_\_\_\_\_

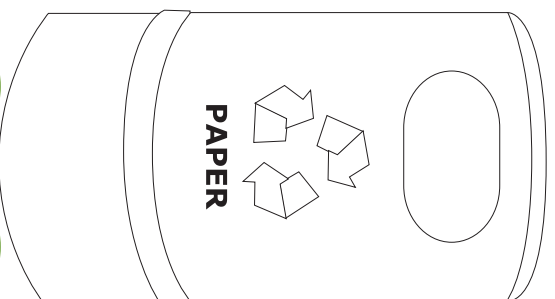
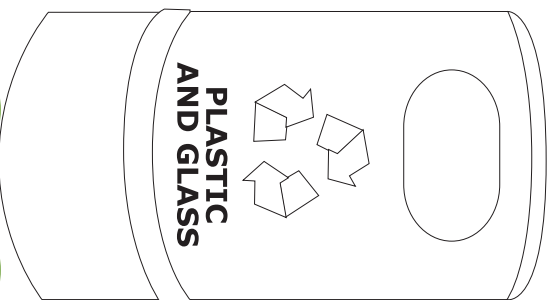
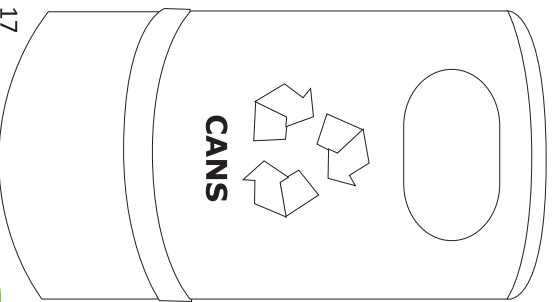
# DO NOT LITTER



## WORKSHEET 2C

Date: \_\_\_\_\_

Name: \_\_\_\_\_



REDUCE,  
REUSE  
AND  
RECYCLE

## WORKSHEET 2D

Date: \_\_\_\_\_

Name: \_\_\_\_\_

DO THE  
RIGHT THING!  
LET'S BIN IT!



## LESSON THREE

# A LITTER-FREE ENVIRONMENT

### OBJECTIVES

Children will:

- ✿ recap it is wrong to litter.
- ✿ understand their role in keeping the nation clean.

### WHAT TO DO?

#### Preparation

1. Print out **Activity Sheet 3** (this will consist of a template to form Little Muncher).
2. Follow the line and cut out the template. Make sure each of the children in the class receives one. (*Litter Muncher is a character that help advocate a litter-free environment.*)

#### Activity 1 – Story Telling (approx. 30 mins)

##### The Day the Litter Came Out to Play

There was a town called the Clean Clean Town, where the children loved to play in the park and playground.

One cool and windy day, a boy named Brody was playing in the park. In his hand, was a delicious bar of chocolate.

Brody peeled off the pretty wrapper that covered up the chocolate. He tossed the wrapper on the ground.

The wind blew and the pretty wrapper was happily floating and flying around. It soon became litter. The other litter saw the wrapper having a good time and they all decided to get out and have fun.

Clean Clean Town soon turned into a litter dump, where there were a lot of litter lying around, making the town dirty and unsightly. It was no longer clean. There were pests everywhere. The children became sad because they could no longer play in the park and playground.

Brody knew that he was wrong to toss the wrapper on the ground. He decided to pick up all the litter on the ground and put them in the rubbish bin. He told everyone to help him pick up the litter and throw them into the rubbish bin. All the children went around the town to pick up the litter.

The town soon became clean again. The children could now play in the park and playground. They learned that they should never litter everywhere.

Clean Clean Town was never ever dirty again.

1. After the story-telling, ask the children these questions:
  - Is it right to litter? *(No)*
  - What will happen to our parks, our playground, etc. when we litter?  
*(They will get dirty, unsightly and there might be dangerous items lying around that will hurt us)*
  - What should we do if we have a piece of rubbish?  
*(Throw it into the rubbish bin)*
  - What should we do if we cannot find a rubbish bin to throw away our rubbish?  
*(Hold it in our hand until we see a bin; Bring it home to throw; Give it to a responsible grown-up)*

**Praise the children who give good solutions.**

2. Emphasise to them that we should not litter just because we cannot find a rubbish bin.
3. Tell the children to remind one another not to litter.
4. Distribute the cut-out templates to the children. Teach the children to fold and form the Litter Muncher.
5. Tell the children the Litter Muncher is for them to keep and be reminded of not to litter.

## Activity 2

1. Bring the children out to an open area around the school (i.e. the park, playground, etc.).
2. Tell the children to pick up any litter that they see in the area and put them into litter bins found in the area. (Allocate 5 – 10mins for this)
3. At the end of the activity, ask the children to look at the area again. Tell them they have done a good job in keeping the area clean.

### WORKSHEET 3A & 3B

*Worksheet 3A consists of a picture of a bin and a short paragraph about littering. Worksheet 3B contains several rubbish illustrations (i.e. apple core, used drink cans/bottles, etc.) and some food or things which are not rubbish.*

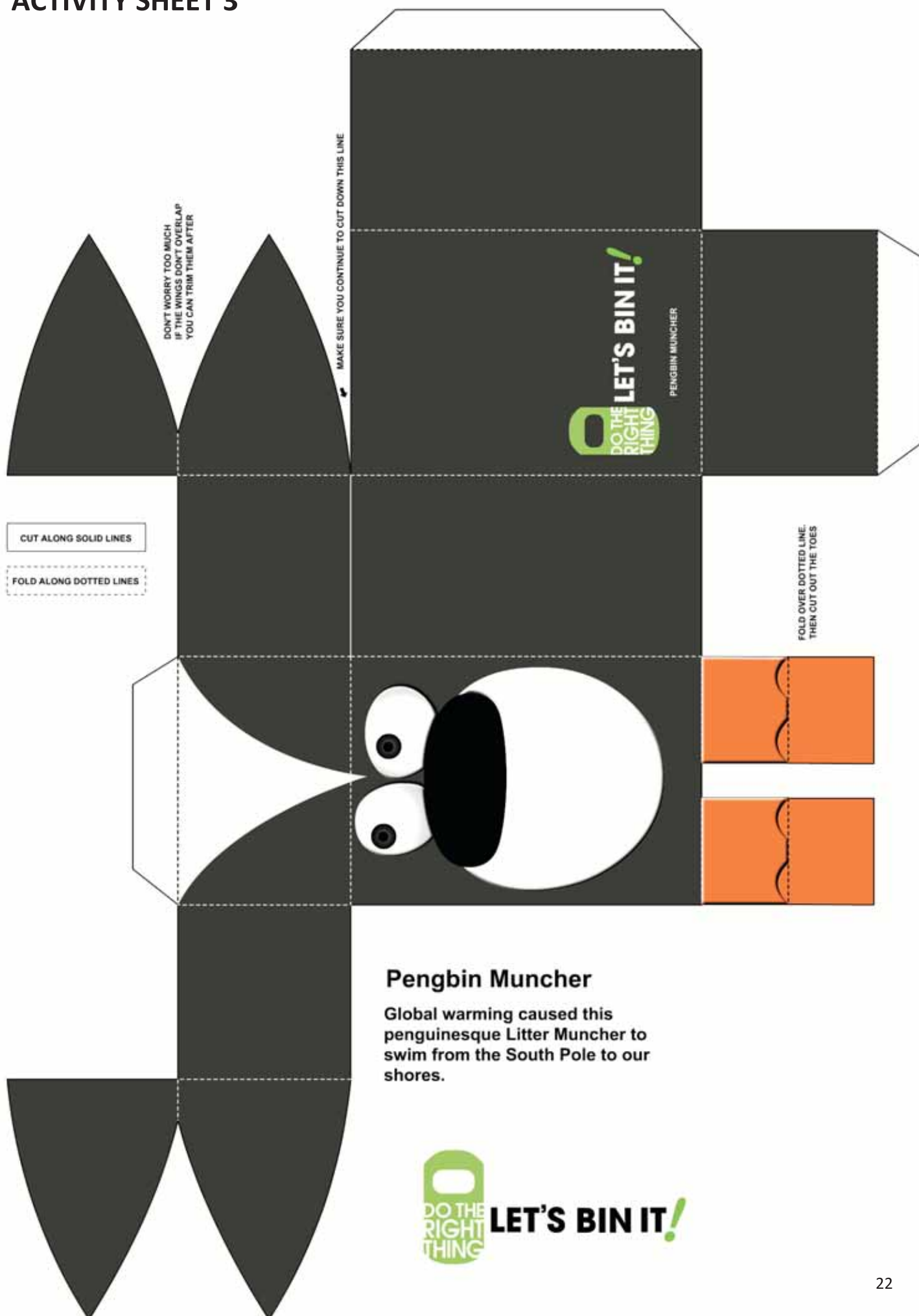
1. Distribute both Worksheets to the children.
2. Tell the children to bring the worksheets home and get their parents to do the activity with them.
3. Cut out all the pictures on Worksheet 4B and paste only pictures of rubbish onto the worksheet with bin.
4. Get them to bring the Worksheets back the following day.

### MORE INFORMATION

More Litter Muncher designs can be found at <http://www.littermunchers.com.sg>  
Go to Gallery > Downloads.



## ACTIVITY SHEET 3



## WORKSHEET 3A

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Littering is an inconsiderate behaviour and litter can be harmful to our health and environment. Food scraps can attract pests such as cockroaches, flies and rats. Empty bottles and cans may collect rainwater, which will breed mosquitoes. Stepping on to litter such as sharp items and rusty nails may cause hurt and spread diseases to us.



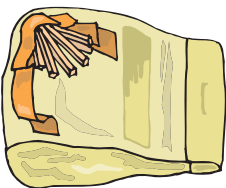


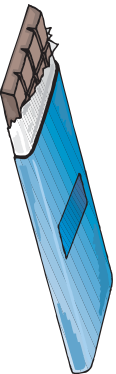
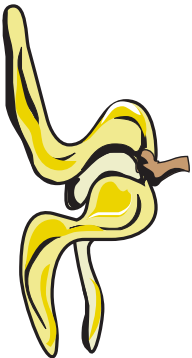
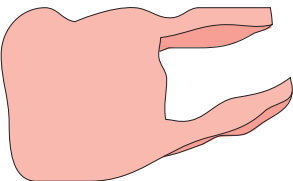
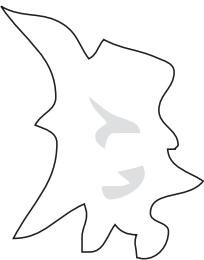
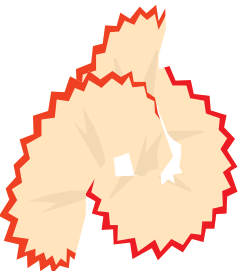

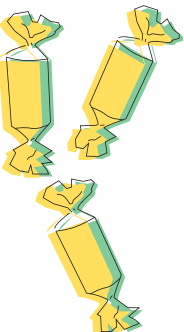
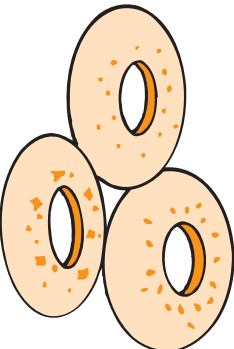


Keeping our environment clean is the responsibility of everyone, including you and me.

**Help Owen the Owl sort out the items from Worksheet 3B and paste only the rubbish on this page.**



# WORKSHEET 3B

Cut out the pictures and paste only the rubbish on to the space provided in Worksheet 3A.

				
Empty Milk Carton	Apple Core	Cereal Pack	Empty Drink Can	Drink Bottle
				
Chocolate Bar	Banana Peel	Plastic Bag	Used Tissue Paper	Pencil Shavings
				
Comb	Sweets	Doughnuts	Watermelon	Paper Bag