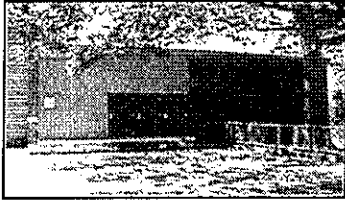


附件

美國生態學校推動情形簡報及環境教育相關文宣



P.S. 220 Q, The Edward Mandel School
62-10 108 Street, Forest Hills, N.Y. 11375
Phone: (718) 592-3030
Fax: (718) 271-7642
Josette Pizarro, Principal
Hope Monnes, Assistant Principal
Daisy Morales, Assistant Principal

"Today's Learner Is Tomorrow's Leader"

Taiwan ECO-Campus Visit
Tuesday, October 11, 2016

Agenda

1:20-1:30

Meet and Greet

1:30-2:20

School Tour – Visitation of classrooms (Rm.222, 209 and 205)

Highlighting: Sensor Lights, Recycle Trash Cans, Hall, Classrooms,
Cafeteria and Garden Space

2:20-2:30

Break

2:30-3:00

PS 220 presents Video/PowerPoint Creating Green Spaces

Taiwan presents their video/PowerPoint

3:00-3:30

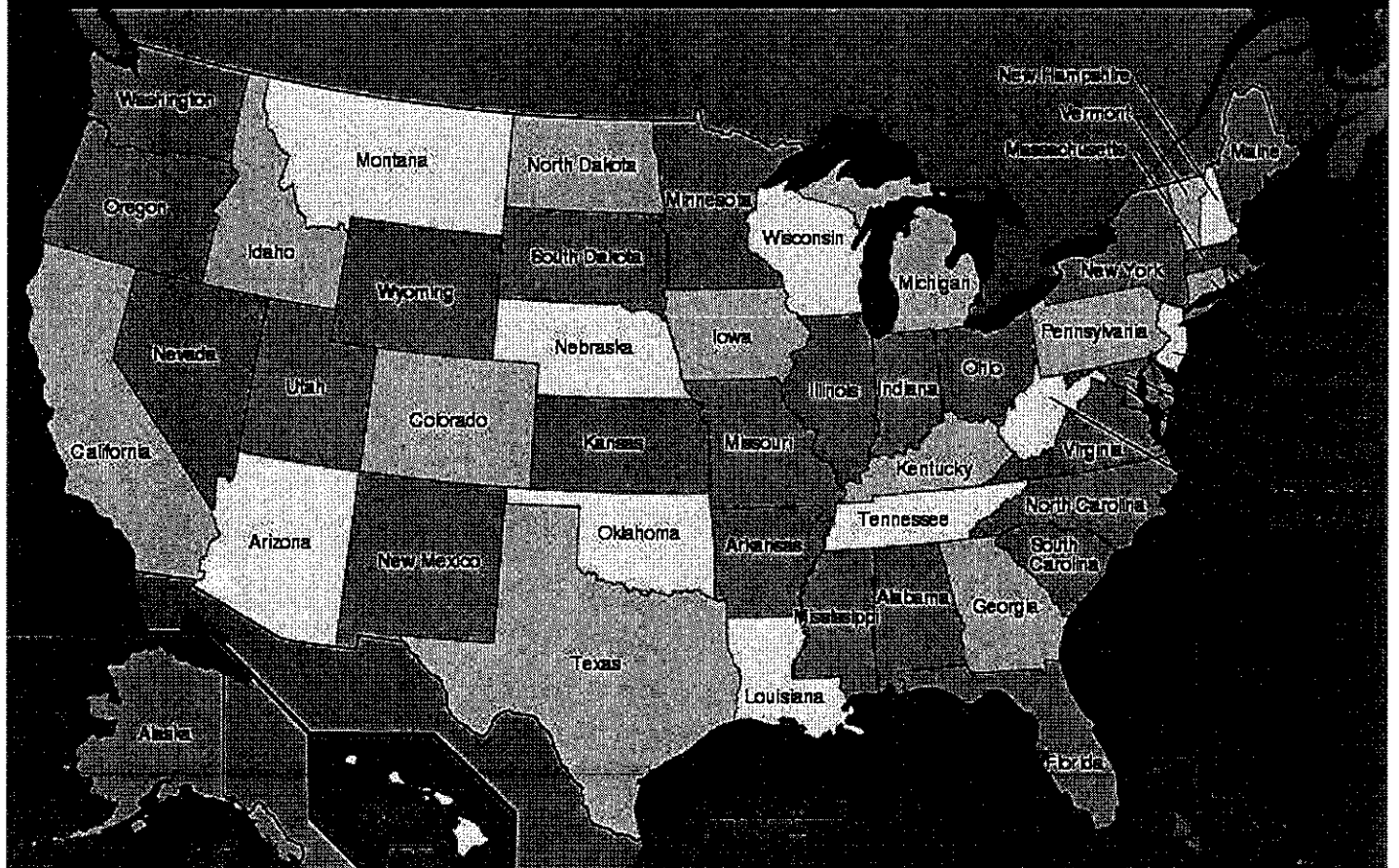
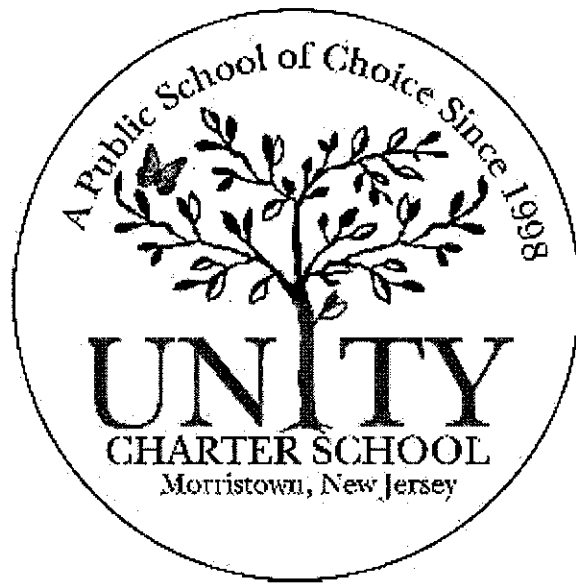
Exchange of token gifts and highlight positive aspects of the program

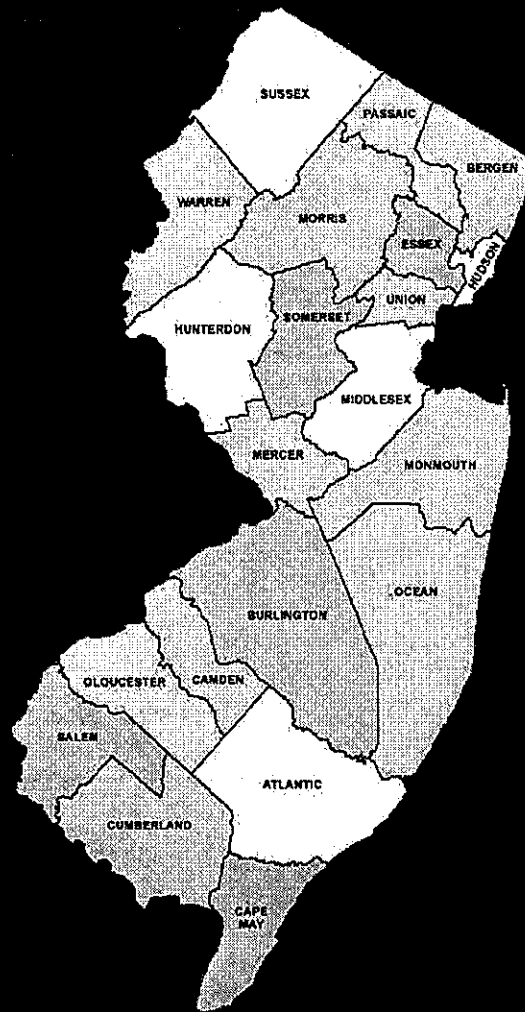
P.S.220 The Edward Mandel School

Staff Contact Information



County	School	English name	Title	Email
Forest Hill, NY	P.S220	Josette,Pizarro	Principal	jpizarr@schools.nyc.gov
Forest Hill, NY	P.S220	Hope Monnes	Assistant Principal	Hmonnes@schools.nyc.gov
Forest Hill, NY	P.S220	Daisy Morales	Assistant Principal	Dmorales29@schools.nyc.gov
Forest Hill, NY	P.S220	Rose Valerio	Science teacher	rvalerio@schools.nyc.gov
Forest Hill, NY	P.S220	Terry Bedesi	4 th Teacher	tbedesi@schools.nyc.gov
Forest Hill, NY	P.S220	Zoraya Torres	Parent Coordinator	Ztorres32@schools.nyc.gov
Forest Hill, NY	P.S220	D.Galatsanos	ESL Teacher	Dgalatsanos@schools.nyc.gov
Forest Hills	P.s.220	S.Valenzuela	Math Coach	Svalenzuela4@schools.nyc.gov



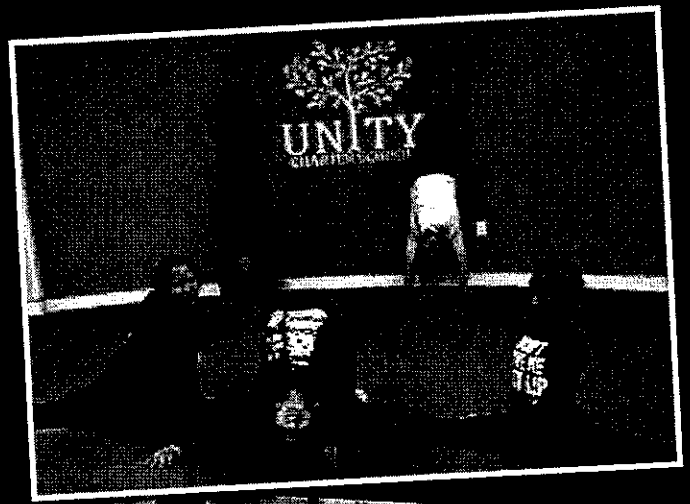


Agenda

- What makes Unity special?
- Mission
- Food Philosophy
- EFS/Academics

AWARDS & ACCREDITATIONS Unity SPECIAL

- Mission of environmental sustainability
- Positive discipline program
- Rigorous Academic Program and Project Based Learning
- Experiential learning



Our Mission

The mission of Unity Charter School is to
*“teach the importance of protecting and
improving the environment by educating
our students in the principles of
sustainability, ecology and diversity in a way
that celebrates this planet and all its
inhabitants”*

Food Philosophy

Our mission is educating our students in the principles of environmental sustainability. It is our goal to teach students how to eat "further down the food chain" because much of the meat we consume is not produced in a sustainable manner. Vegetables and other plant-based foods can be directly harvested from the earth and served – basically earth to table.

Eating vegetable and grain-based foods directly, rather than feeding them to livestock, is more efficient and therefore sustainable.

9 EFS Indicators

- Cultural Preservation & Transformation
- Responsible Local & Global Citizenship
- The Dynamics of Systems & Change
- Sustainable Economics
- Healthy Commons
- Natural Laws & Ecological Principles
- Inventing & Affecting The Future
- Multiple Perspectives
- Strong Sense Of Place



Garden

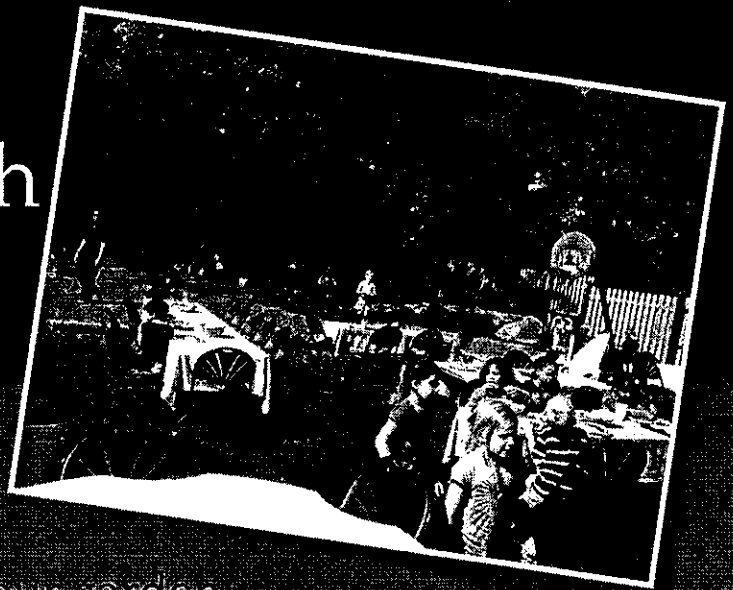
- Fresh Vegetables
- Kitchen



Outdoor Lunch

• Presence of Local Fruits
and Vegies

- Vegies sourced from our garden
(including tomatoes for today's lunch)



Team with Local Farmer



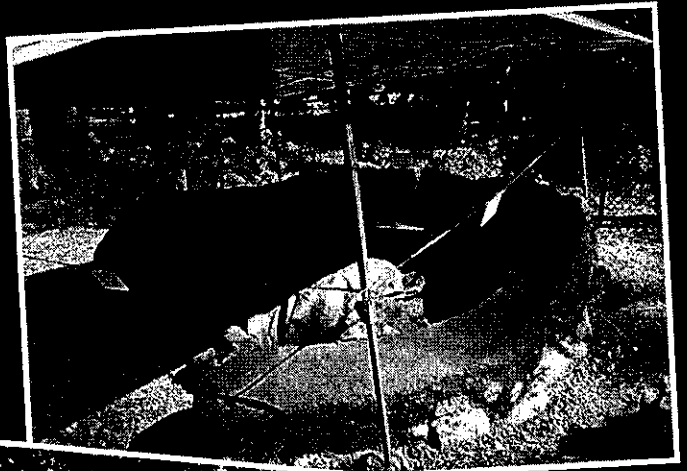
Outdoor Experiences Year Round

Experiential learning allows students to understand the impact of human endeavors on the environment and its inhabitants.



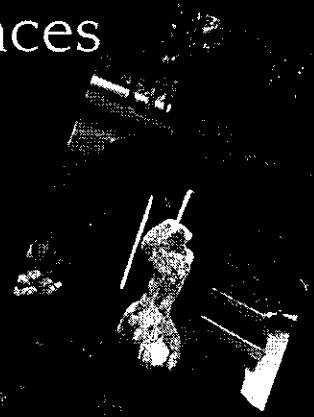
Natural Surroundings

Cob Bench
Mulch
Natural Lower Field



Experiential Learning

- Hands on learning experiences
- Frequent field trips

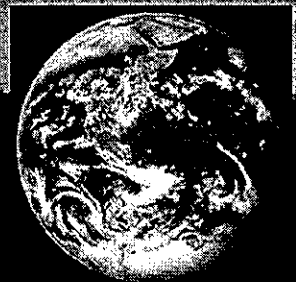
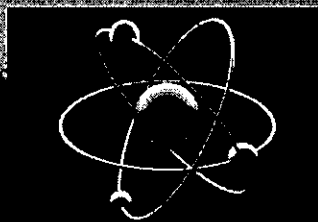


Academics

- Education for Sustainability – EfS is our sustainability curriculum – the “lens” through which we teach. EfS is integrated across content areas and throughout our school culture.

Science

- Hands On Experiential
- Study of the Earth and Universe
- Study of Earth, Ecosystems, Food Webs, Genetics
- Critical thinking, inquiry based investigations



Project Based Learning (PBL) – Middle School

A content driven guided inquiry leading to a
culminating project



I

Groups
Middle School Electives

Interest Groups and Electives

Interest Group Choices Examples:

Electives in Middle School Examples:

Run a Mile for Unity

Weird New Jersey

Sustainable Sculptures

Growing It Forward

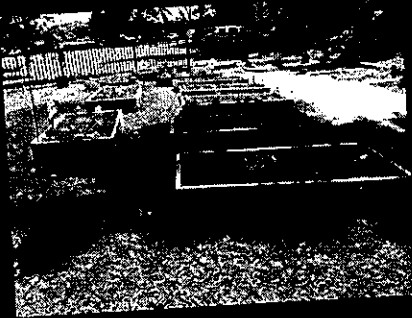
Cooking Sustainably

Hip Hop Dance

Passion for Spices

Weird New Jersey

Gardening



Unity
encourages
zero-waste
lunches ...

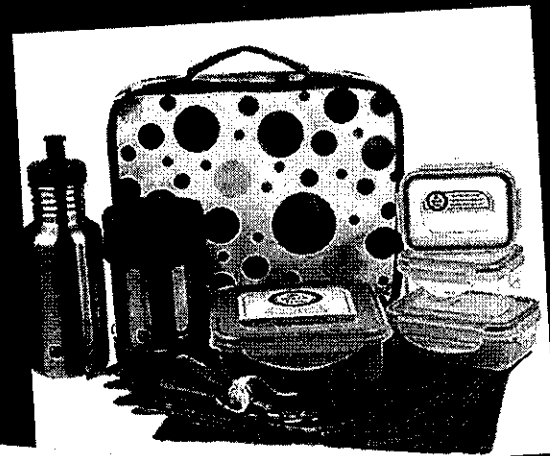
Durable lunch box

Reusable food
container

Refillable water bottle

Stainless steel utensils

Cloth napkins



...and healthy lunches and snacks



It's your turn...

Questions?

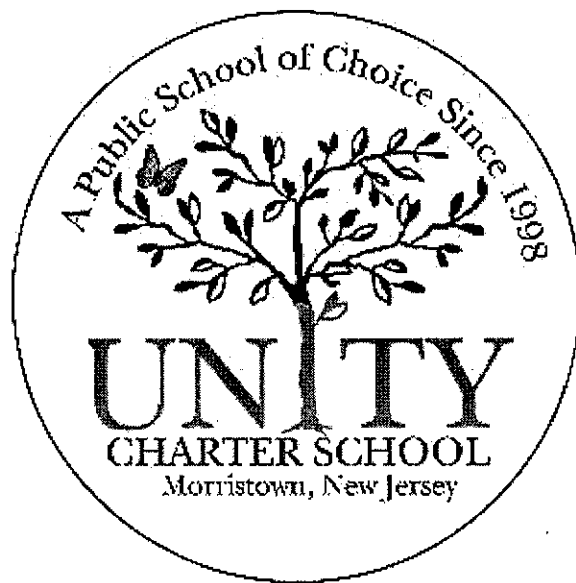
Comments?

Clarifications?



Tour of Facility

Thank you for joining us!



SUSTAINABLE PRACTICES

Holland Township School



Mission Statement

- ▣ A school community that provides a healthy environment and enhances education and learning through real world experiences that promote conservation and sustainability resulting in a reduced ecological footprint
- ▣ Our community embraces a shared sense of purpose in promoting sustainable practices in resource management and the development of a conservation ethic

Belief Statements

- *We believe* that the Holland Township School community should use energy and other resources efficiently to reduce use and cost.
- *We believe* that the Holland Township School community should conserve water and encourage its responsible use.
- *We believe* that the Holland Township School community should practice the conservation of all resources.
- *We believe* that the Holland Township School community should reduce waste and recycle.
- *We believe* that the Holland Township School Community should promote health and wellness.
- *We believe* that the Holland Township School Community should incorporate into its curriculum environmental education that fosters individual responsibility for the stewardship of our Earth's resources.



Green School- A Collective Work

- ▣ Green schools prepare students to become leaders and citizens who understand how the natural world works, see the patterns that connect human activity to nature, and have the knowledge, values, and skills to act effectively on that understanding.
- ▣ Green schools contribute to making communities more sustainable, explore solutions to environmental problems, and serve as models of responsible action.

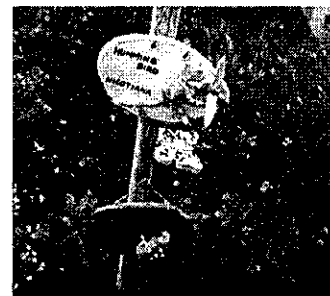
Professional Development

- ▣ Professional Coaching
- ▣ Curriculum Mapping
- ▣ Trying Lessons
- ▣ Aligning to Grade Level Curriculum

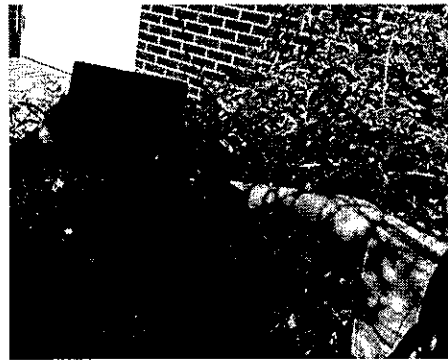
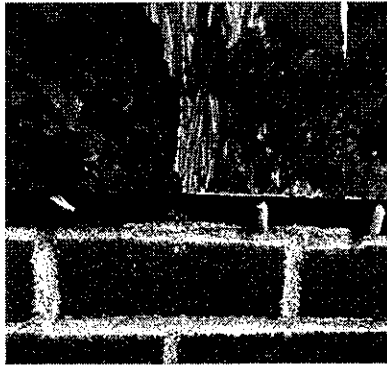


Education for Sustainability

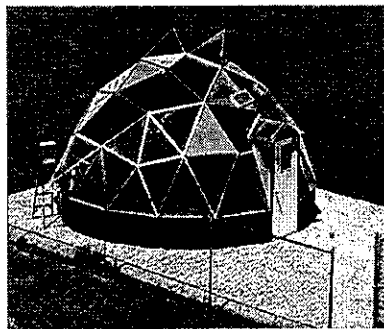
- ▣ Development of Integrated Units/Project Based Learning/STEAM
- ▣ Visual and Performing Arts
- ▣ Service Learning
- ▣ World Language
- ▣ Engineering
 - Project Learning Tree
 - Monarchs in the Classroom
 - Voices from the Land
 - Pollinator Project
 - Project Wet



Living Laboratory



Gardening Year Round



Modeling Best Practices/Student Family Surveys



50% of our students report changing practices at home as a result of what we do at school.



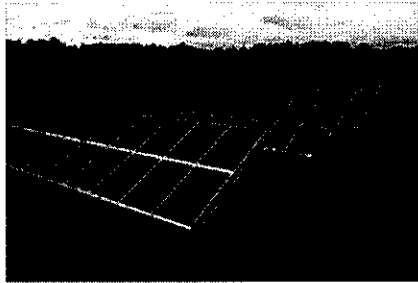
CROW PROJECT

- ▣ Connecting Reading and the Outside World

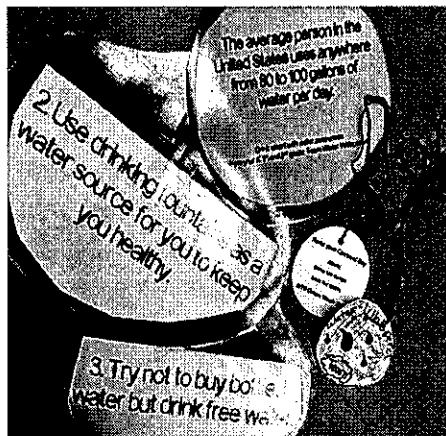


Solar Power

- ▣ Solartricity builds, maintains, and owns the solar field on their property that will supply at least 80% of our school's power needs
- ▣ Students have a live monitor in the school to watch the amount of power generated.



Water Conservation



70% of our students bring reusable water bottles to school each day

HTS Paper Savers

- ▣ Virtual Backpack
- ▣ Email Blasts
- ▣ Paperless Reports Cards and Interim Reports



Waste Reduction

- ▣ Reducing Classroom Waste
 - Baseline data 60 lbs.
 - Final data less than half an ounce
- ▣ Reducing Waste in the Cafeteria
- ▣ Foam Free Fridays
 - Landfill Baseline 47 lbs.
 - Final data 21 lbs.



Partnerships

- ▣ Hunterdon County Park System
 - Species Surveys
- ▣ Holland Township Green Teams
 - Collaborative Green Fair
- ▣ Musconetcong Watershed
 - Tree Planting
- ▣ NJ Fish and Wildlife
 - Fostering Terrapin Turtles
- ▣ Riegel Ridge Community Center
 - Anti Idling “Pool to School”



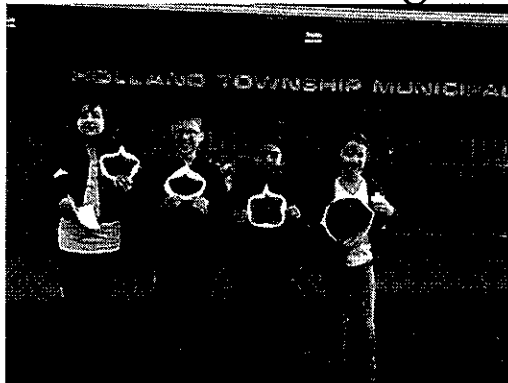
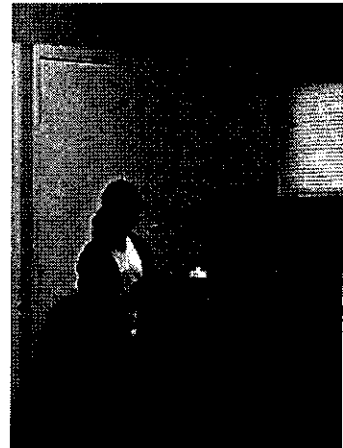
Service Learning

- ▣ Buckets for Buckets
- ▣ Trick or Treat for Hunger
- ▣ Adopt A Species
- ▣ Empty Plates
- ▣ Senior Citizen and Veteran Luncheon



Student Ambassadors

- ▣ Outreach by Students
- ▣ Green Apple Events
- ▣ Community Day Participation
- ▣ Board of Education Meetings
- ▣ Town Council Meetings



Logo Contest



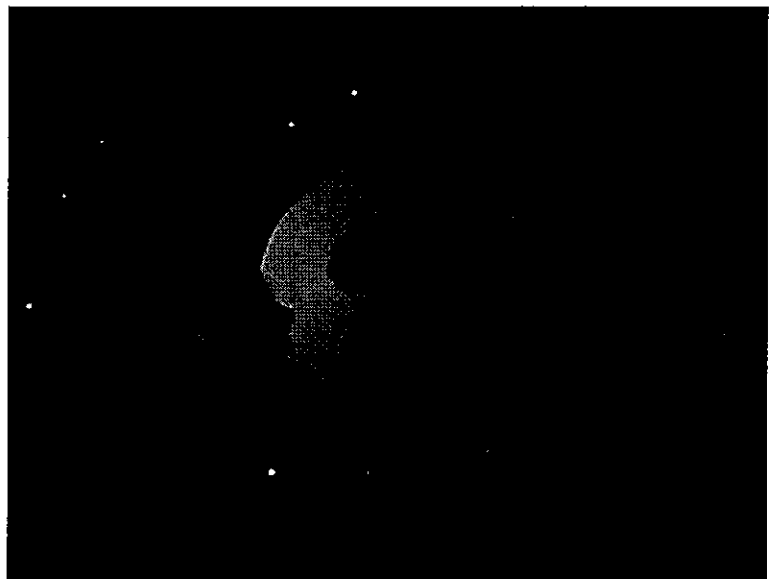
Welcome to Northwest High School!

October 13th, 2016

Video!

By 4SW:

**The Secret Society
of Science
Songwriters**



Who are we?

Home of the Jags!

Ages 14-18

2350 students

**Diverse population, from many races
and backgrounds**



Northwest High School



You are here!

Sister School

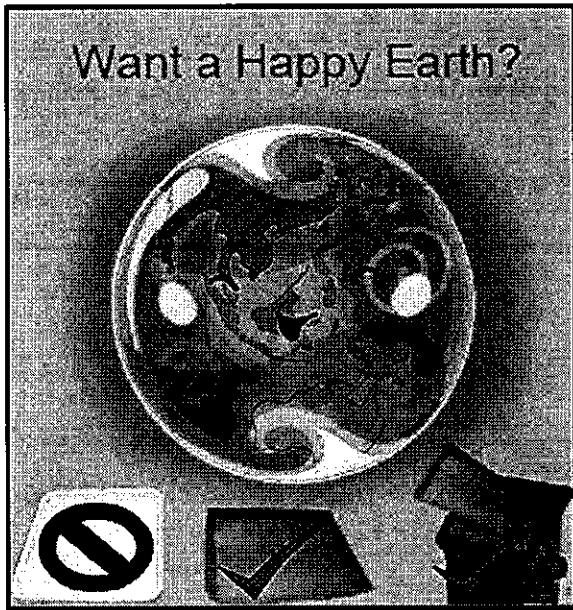
We are sistered with Chung
Shan Industrial and
Commercial School

Located in Kaohsiung, Taiwan

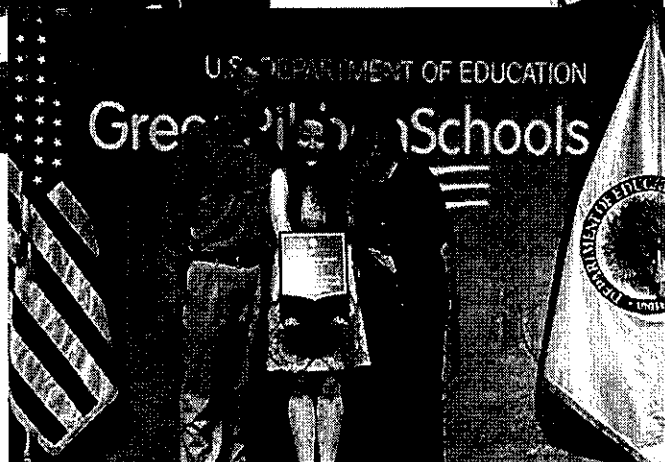
We are excited to partner with
them throughout the school
year!



Past Projects



We petitioned to replace foam lunch trays with paper trays!



Green Awards!



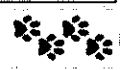
We created a display from students' pledges to help the environment.

Northwest High school

Earth Week Schedule 2016

Monday April 18 th	Minimal Light Monday Turn off lights!
Tuesday April 19 th	Trashless Tuesday Bring a waste free lunch!
Wednesday April 20 th	Walk to School Wednesday Carpool or walk to school!
Thursday April 21 st	Thoughtful Thursday Make an Earth Day pledge!
Friday April 22 nd	Earth Day! Wear Blue / Green to celebrate Earth Day And practice all of the above!

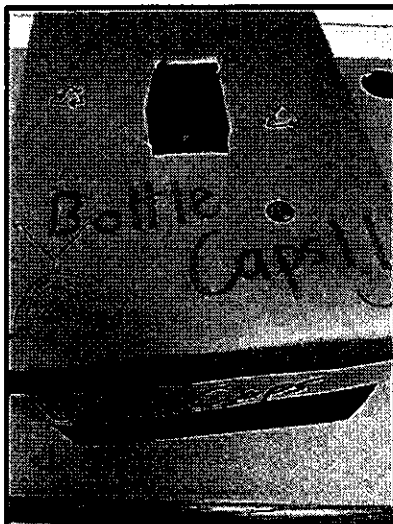
* Stay tuned for announcements on JAGTV



Earth Week 2016 celebration!

Bottle Cap Bench

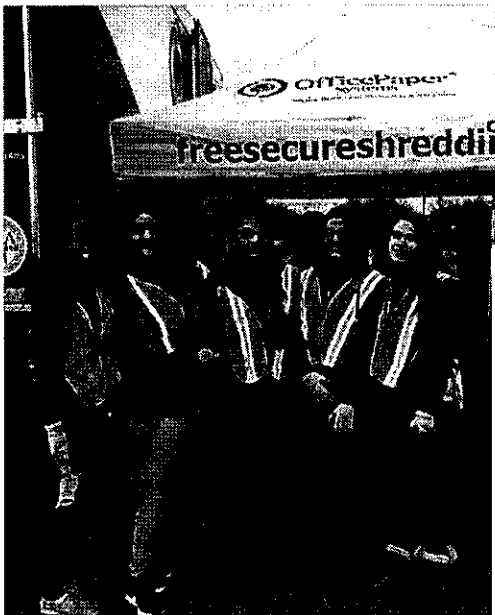
Made of 200 lbs (90 kg) of plastic bottle caps



It took the whole school's work to make the bench!



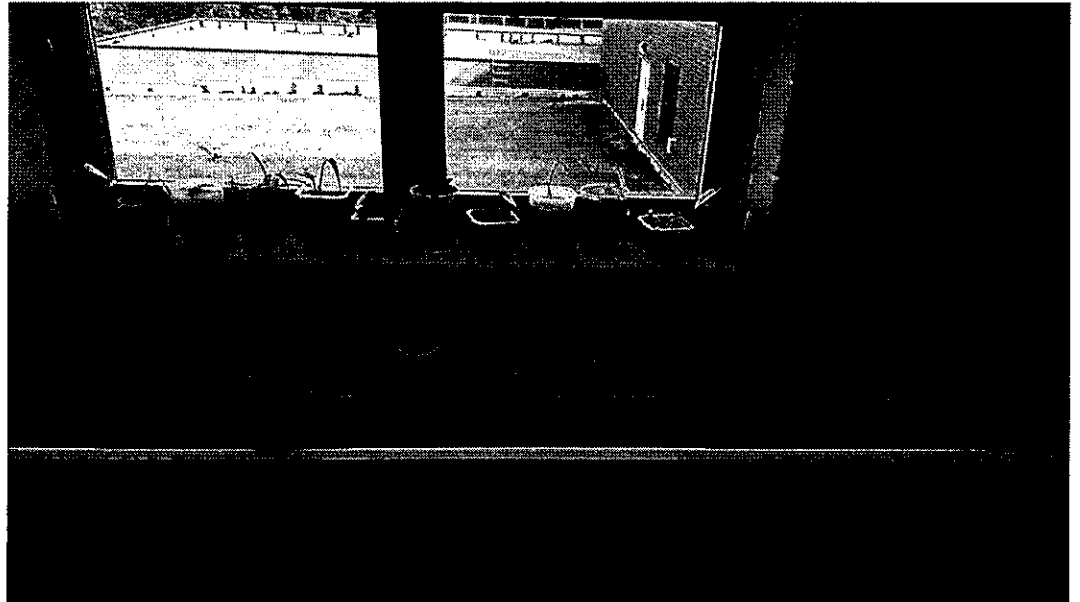
Paper Shredding Event 2015



NWHS welcomes you to:
THE COMMUNITY RECYCLING EVENT
DONATE CLOTHING & HOUSEHOLD ITEMS
& PAPER SHREDDING ON SITE
SATURDAY NOV. 14 10am~2pm

Air Cleaning Plants

**We
planted
plants to
give to
teachers!**



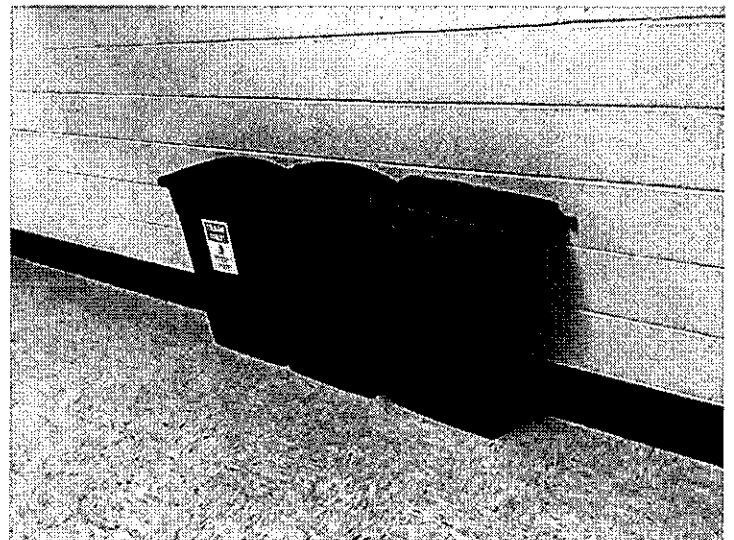
Current Efforts

Recycling bin posters

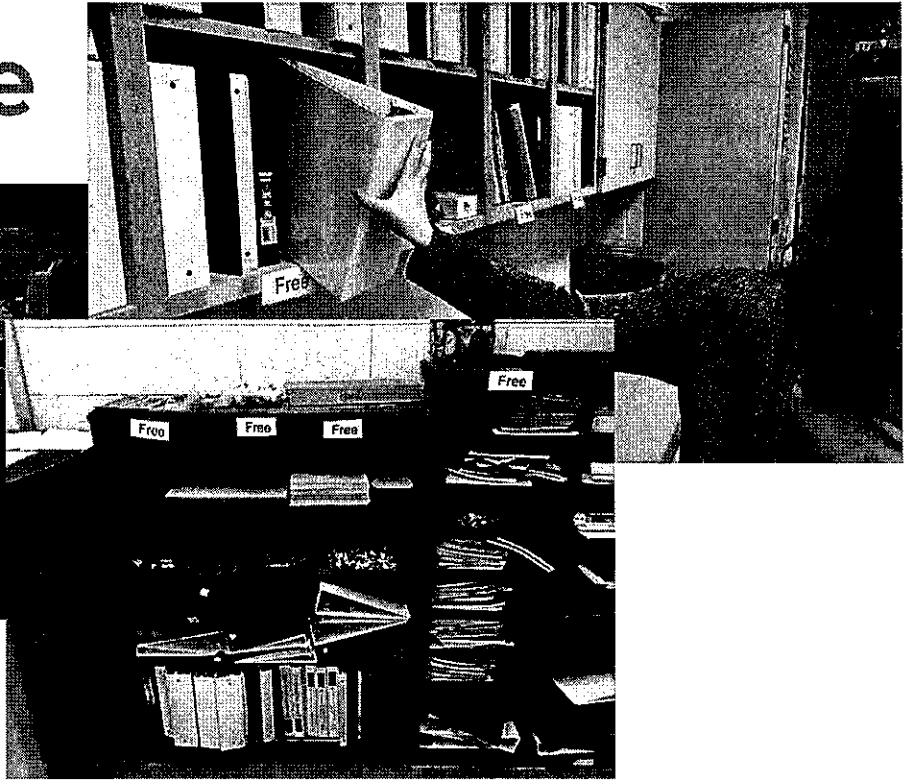
Gardening

Free store

Awareness (videos & posters)



Free Store



Green team students hard at work!



Green team students hard at work!

Environmental Classes

AP Environmental Science

Teaches student about our relationship and effect on nature

Learn environmental problems—both natural and human-made

Understand the risks of these problems

Possible solutions and plans for prevention



Environmental Chemistry

Interactive problem-based class

Combines chemistry topics with environmental science

Atmospheric and water pollution



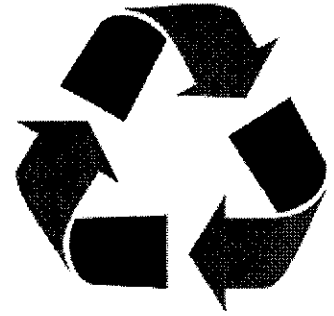
Future Goals

Paper shredding event in the spring

Another bench!

Composting

Solar panels



Questions?



Thank

You!



"I am a faithful friend,
it is up to you to
help me mend."
—Earth ♡

NYC DOE Energy Efficiency Calendar 2016-2017

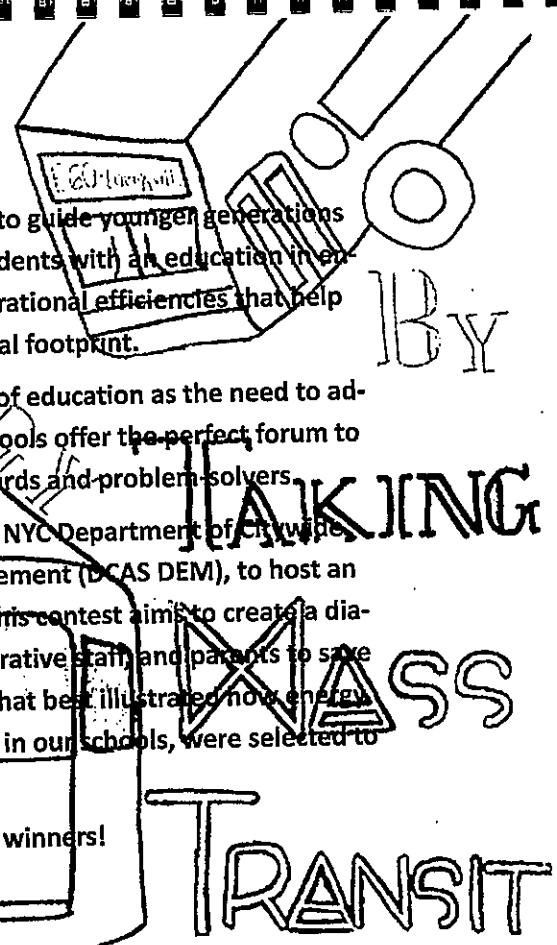
SAVE

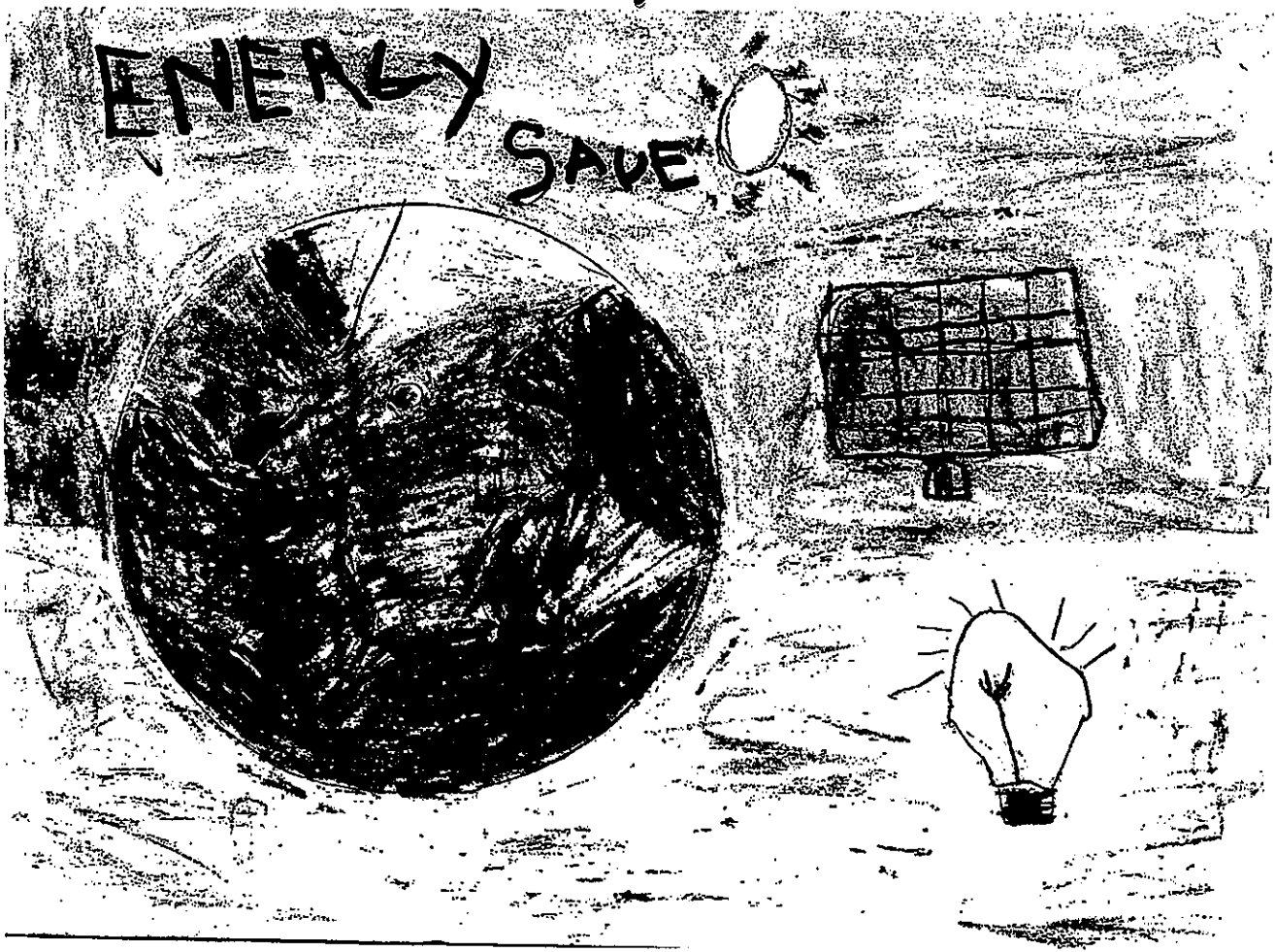
The NYC DOE's Office of Sustainability's mission is to guide younger generations toward a more sustainable future by providing students with an education in environmental stewardship, as well as to ensure operational efficiencies that help minimize resource use and collective environmental footprint.

Sustainability has become an integral component of education as the need to address environmental issues has increased, and schools offer the perfect forum to foster the next generation of environmental stewards and problem-solvers.

For the fifth year, the DOE has partnered with the NYC Department of Citywide Administrative Services Division of Energy Management (DCAS DEM), to host an Energy Poster contest for all grade levels (K-12). This contest aims to create a dialogue and encourage students, teachers, administrative staff, and parents to save energy through art. Fifteen pieces of original art that best illustrated how energy can be saved through efficiency and conservation in our schools, were selected to create this year's calendar.

Congratulations to all the winners!





Andrew Suresh Kumar, Kindergarten, Queens

SEPTEMBER 2016

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5 Labor Day	6	7	8 First Day of School	9	10
11	12 Eid al-Adha Schools Closed	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	



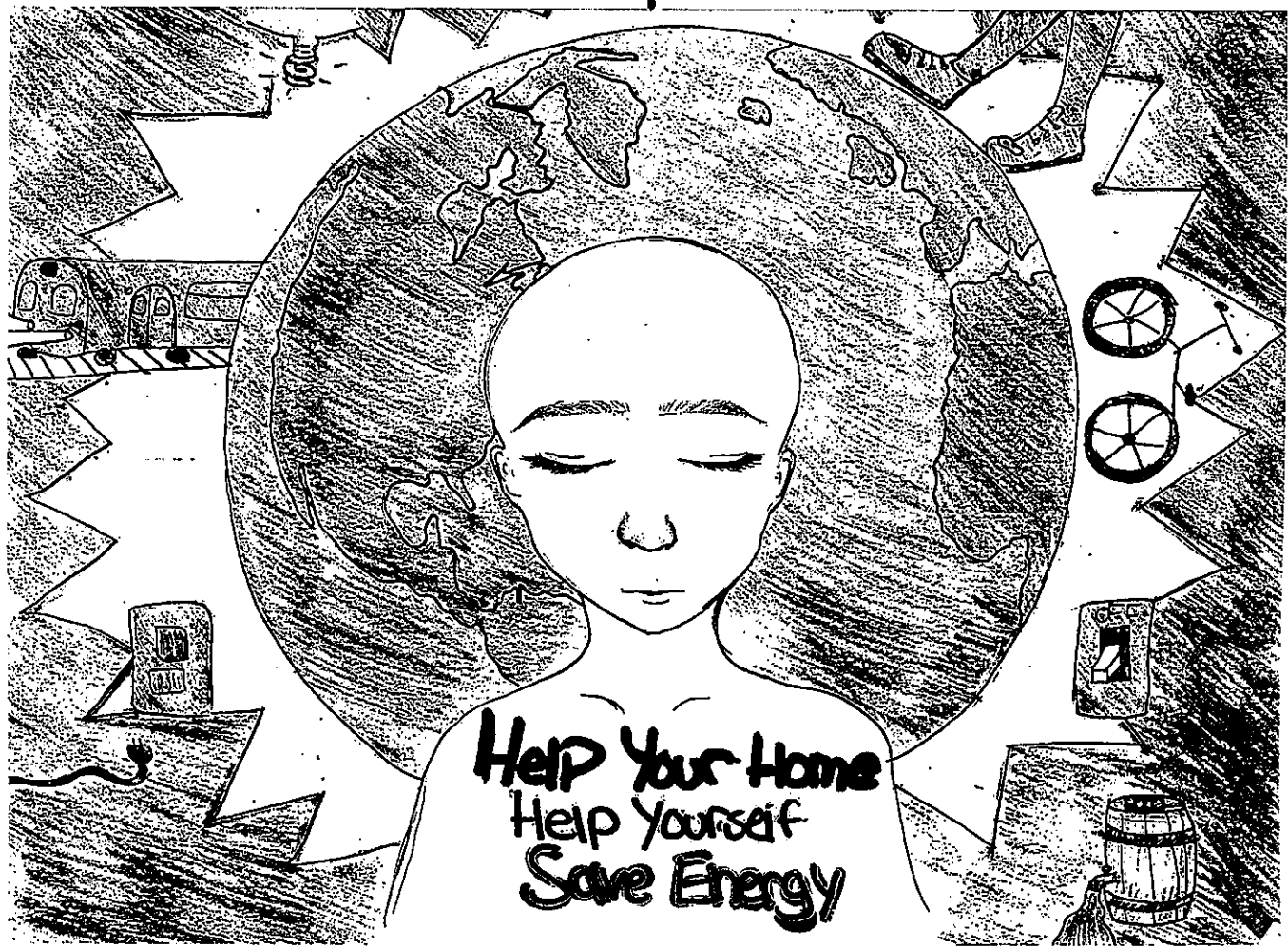
Energy Tip
 Start the new school year by selecting a Sustainability Coordinator and establishing Energy reduction goals for your school.

#ONENYC



NYC Citywide Administrative Services | Energy Management





Lux Yenifer Pastrana, 12th Grade, Brooklyn

October 2016

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3 Rosh Hashanah Schools Closed	4 Rosh Hashanah Schools Closed	5	6	7	8
9	10 Columbus Day Observed Schools Closed	11	12 Yom Kippur Schools Closed	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Energy Tip

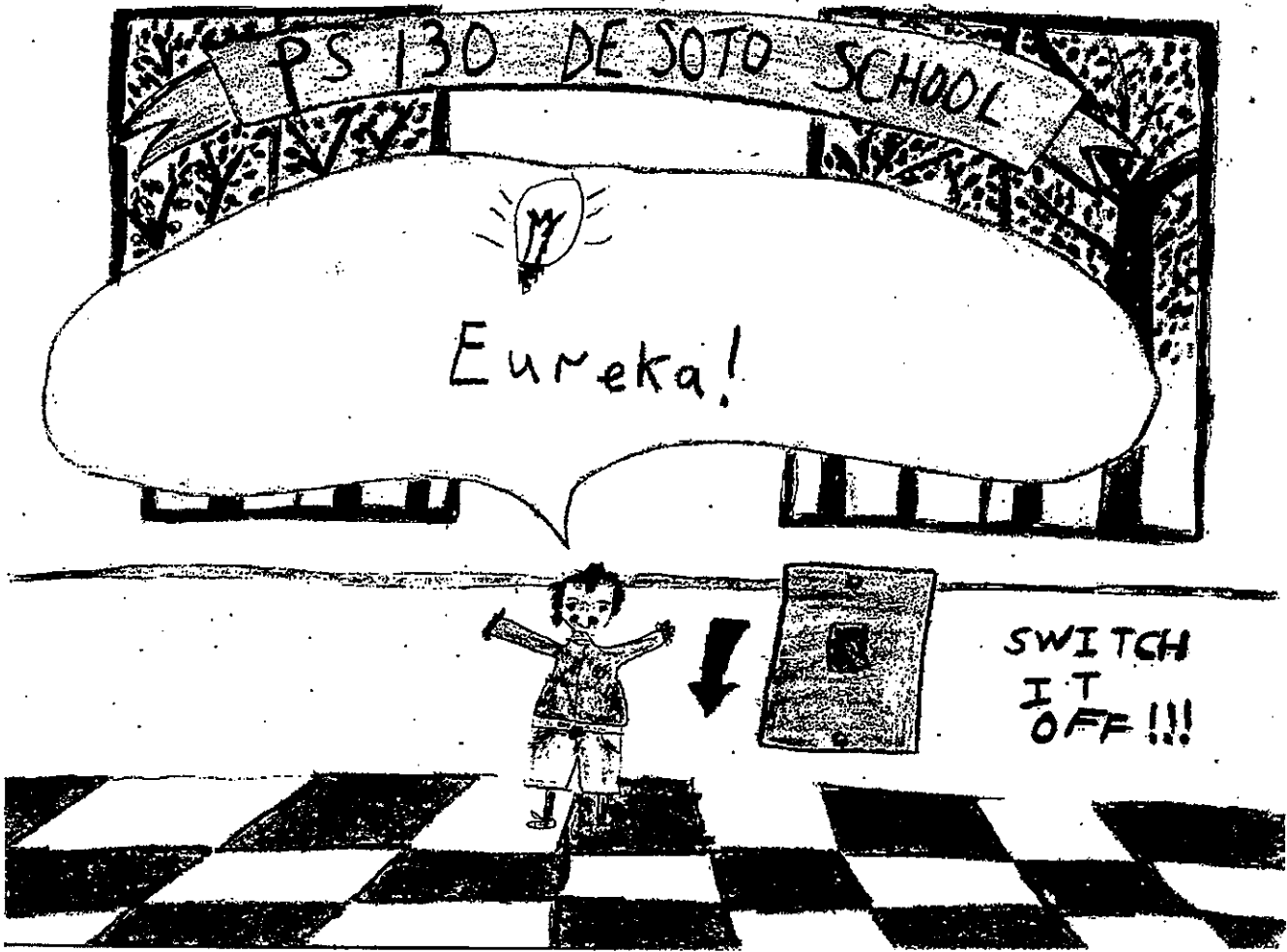
Get students involved in saving energy activities: Organize a Green Team, select Energy Monitors, form an Environmental Club.



Sharika Ismat, 7th Grade, Bronx

November 2016

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8 Election Day (No students in school)	9	10	11 Veteran's Day Schools Closed	12
13	14	15	16	17	18	19
20	21	22	23	24 Thanksgiving Recess Schools Closed	25 Thanksgiving Recess Schools Closed	26
27	28	29	30			



Martino Tenreiro, 2nd Grade, Manhattan

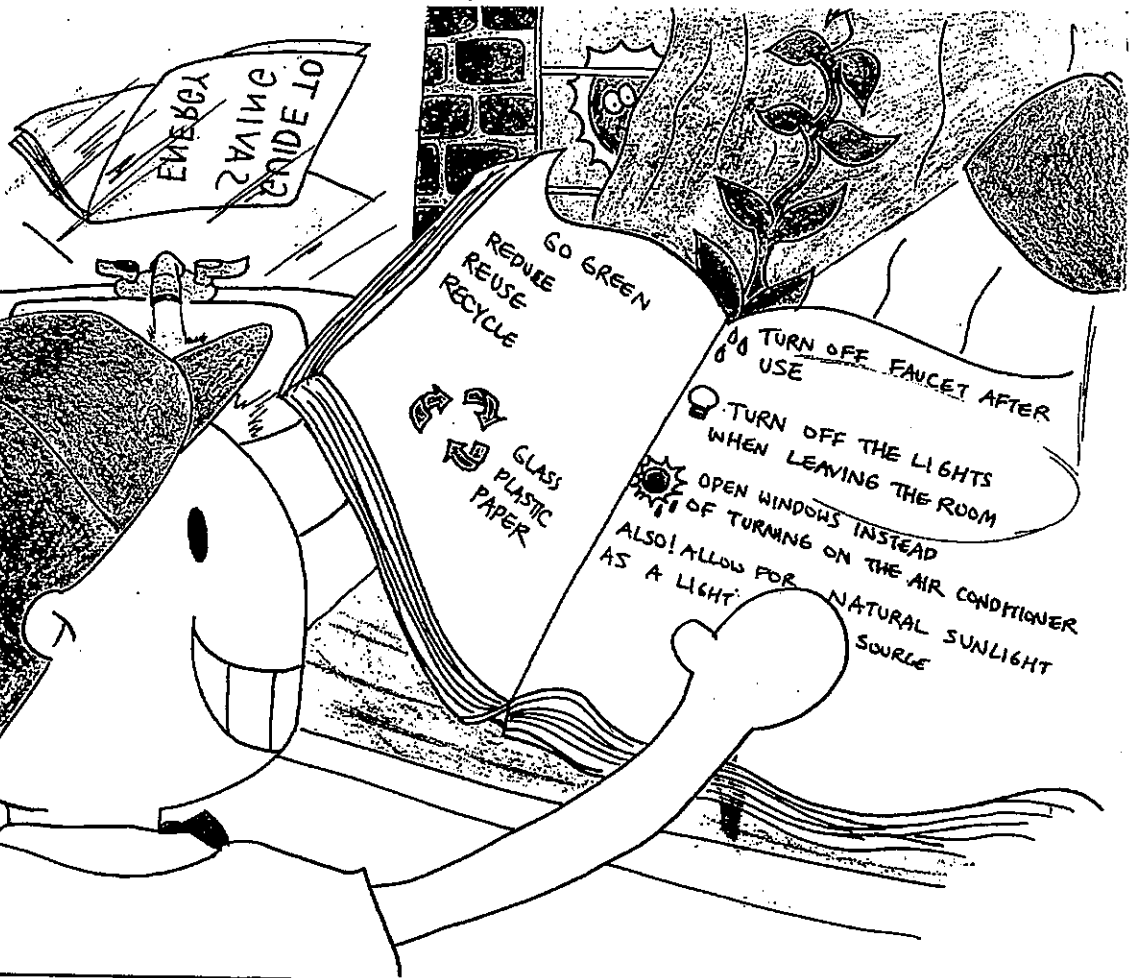
December 2016

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
						Christmas Eve Hanukkah Begins
25	26	27	28	29	30	31
Christmas	Kwanzaa Begins Winter Recess Schools Closed	Winter Recess Schools Closed	Winter Recess Schools Closed	Winter Recess Schools Closed	Winter Recess Schools Closed	New Year's Eve

Energy Tip

Unplug appliances and equipment over long holidays. Appliances have a stand-by function that uses energy even when they are turned off.

GO GREEN



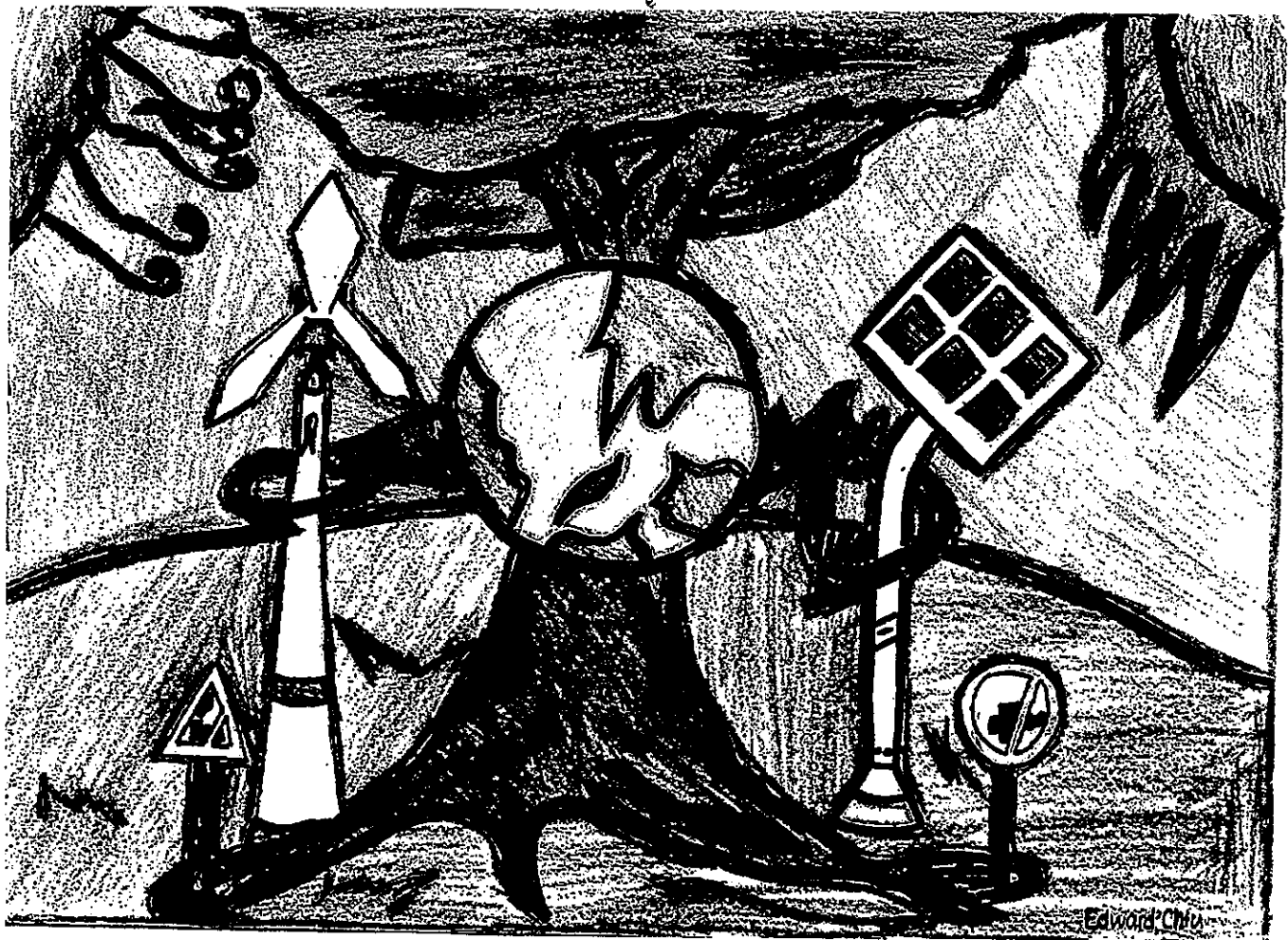
Kenny Yip, 12th Grade, Brooklyn

January 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 New Year's Day	2 Winter Recess Schools Closed	3 School Resumes	4	5	6	7
8	9	10	11	12	13	14
15	16 Dr. Martin L. King Jr. Day Schools Closed	17	18	19	20	21
22	23	24	25	26	27	28 Lunar New Year
29	30	31				

Energy Tip

Conduct an experiment in classrooms by turning off selected lights and surveying occupying comfort at different lighting levels.



Edward Chiu, 6th Grade, Brooklyn

February 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20 Presidents' Day Mid-winter Recess Schools Closed	21 Mid-winter Recess Schools Closed	22 Mid-winter Recess Schools Closed	23 Mid-winter Recess Schools Closed	24 Mid-winter Recess Schools Closed	25
26	27 School Resumes	28				



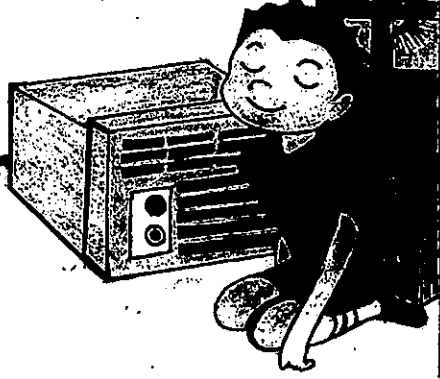
TURN OFF THE LIGHTS WHEN YOU LEAVE THE ROOM



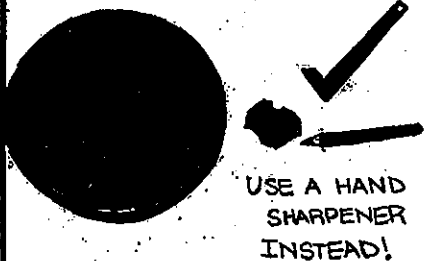
SHUT DOWN THE COMPUTER WHEN IT'S NOT BEING USED



OPEN THE WINDOW INSTEAD OF TURNING ON AIR-CONDITIONER



DON'T USE AN ELECTRIC SHARPENER



Tayiba Islam, 4th Grade, Queens

March 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	



Energy Tip
Have your Green Team make signs to remind people to turn off lights, computers, and smartboards.

#ONENYC



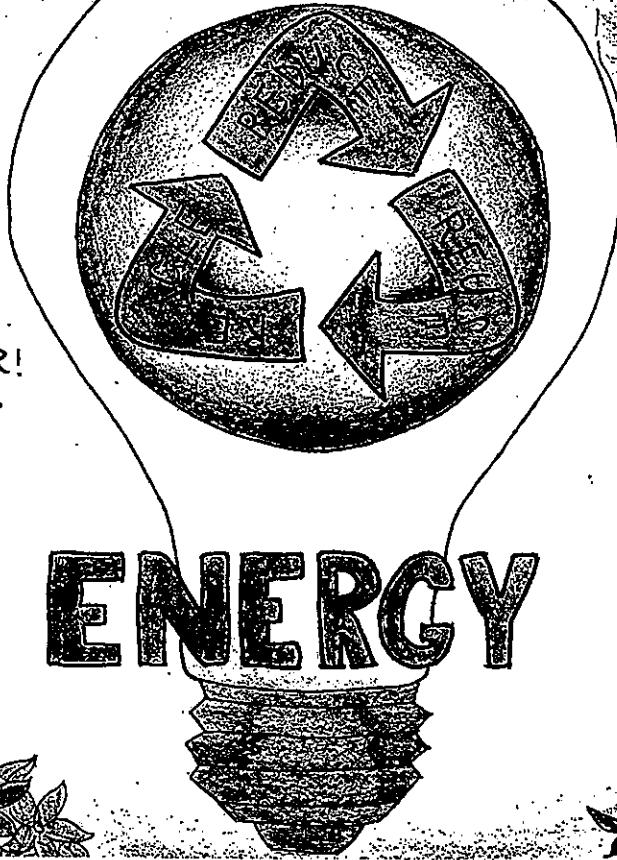
Energy Management



WE CAN ALL PLAY OUR PART TO CONSERVE ENERGY

Ways TO Help:

- Turn off Lights when not in use.
- Turn off the computers to save energy.
- DON'T WASTE WATER! Turn off the faucet.



Kandra Lin, 9th Grade, Brooklyn

April 2017

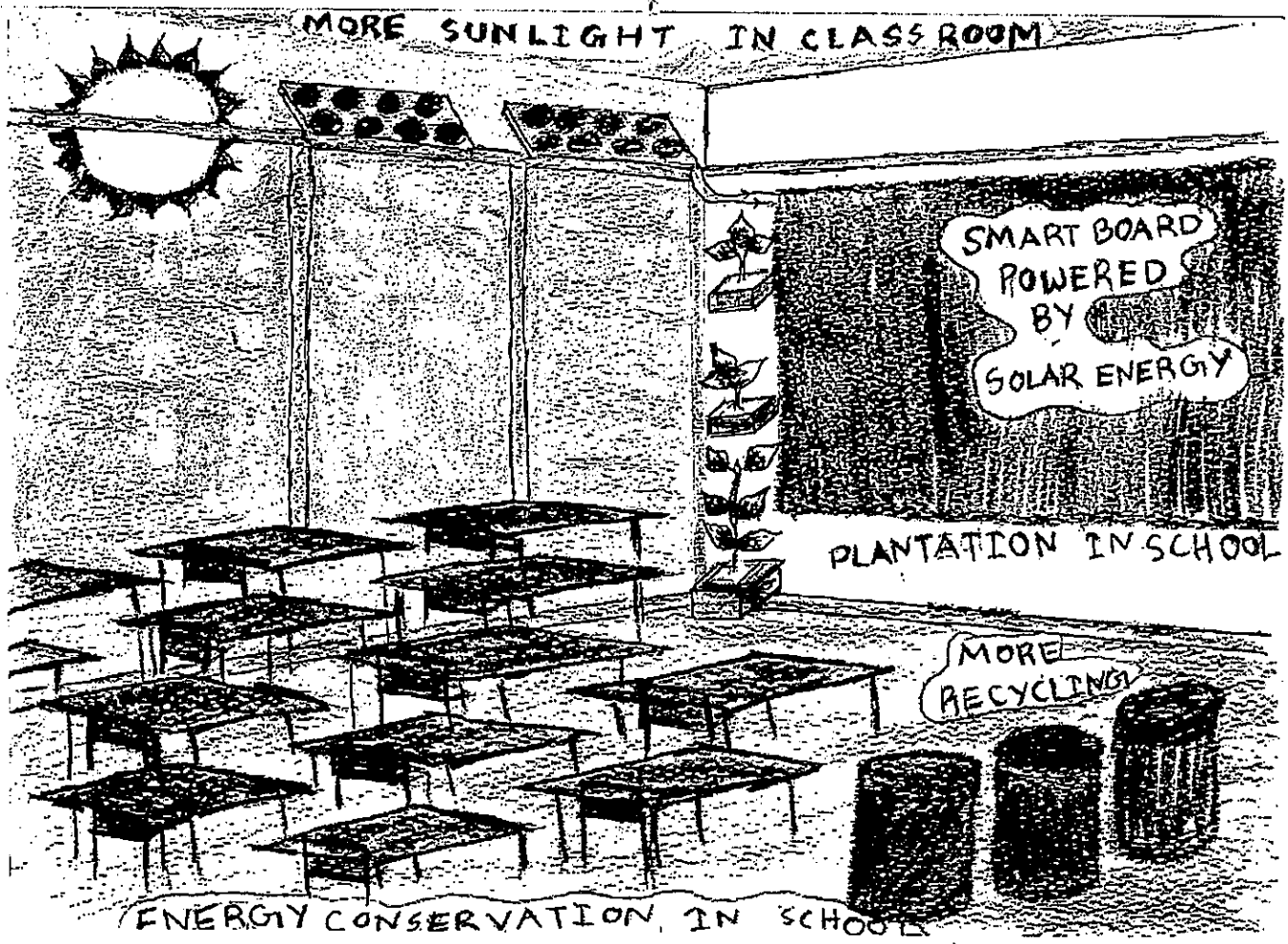
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7	8
9	10 Spring Recess Schools Closed	11 Passover Spring Recess Schools Closed	12 Passover Spring Recess Schools Closed	13 Spring Recess Schools Closed	14 Spring Recess Schools Closed	15 Good Friday
16 Easter	17 Spring Recess Schools Closed	18 Spring Recess Schools Closed	19 School Resumes	20	21	22 Earth Day
23	24	25	26	27	28	29
30						



Energy Tip
Report dripping hot and cold water faucets.
Leaking faucets waste a lot of energy and water resources.

#ONENYC

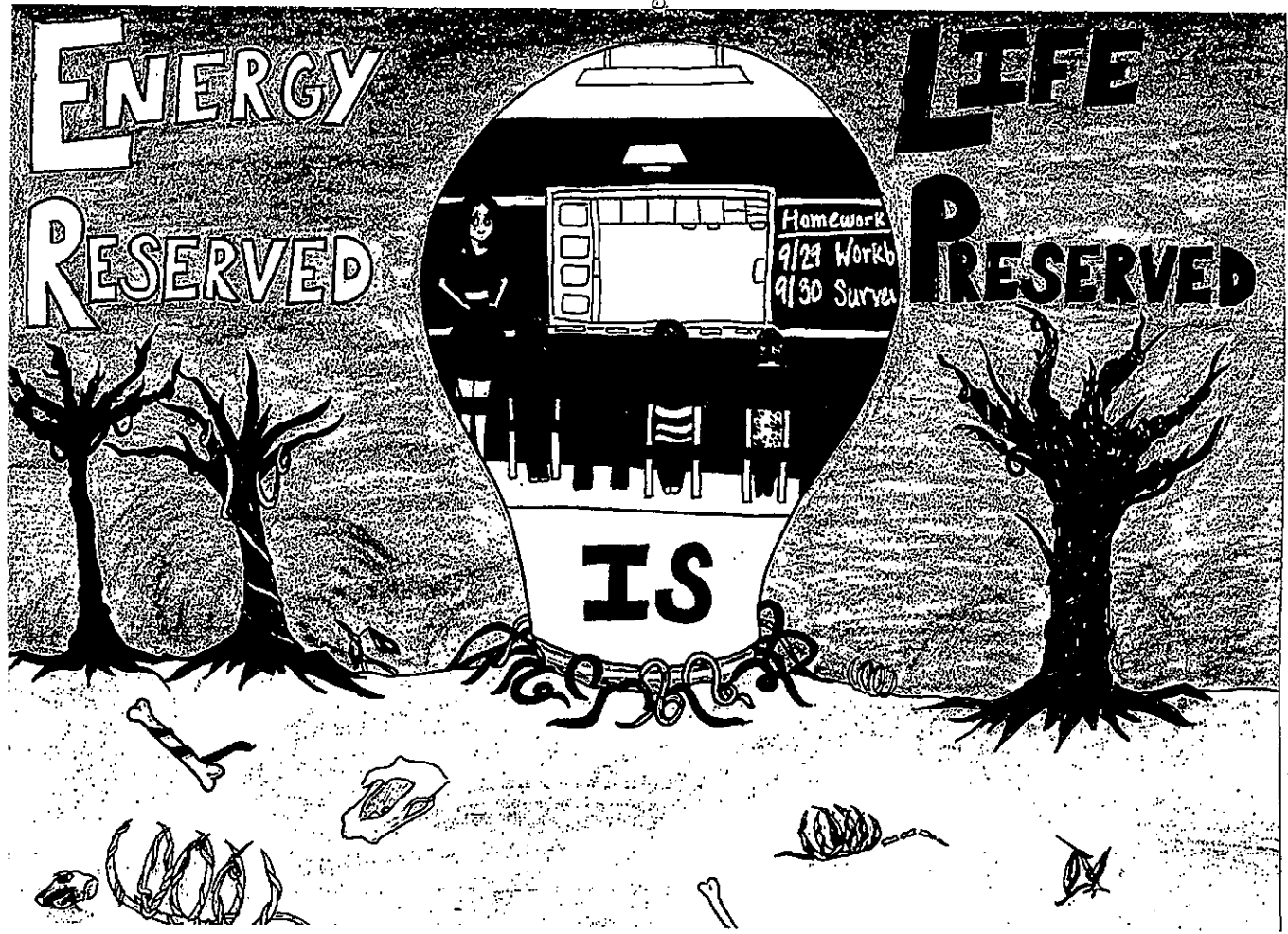




Ifra Mahmud, 3rd Grade, Brooklyn

May 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
Mother's Day	21	22	23	24	25	26
28	29	30	31			
	Memorial Day Schools Closed					

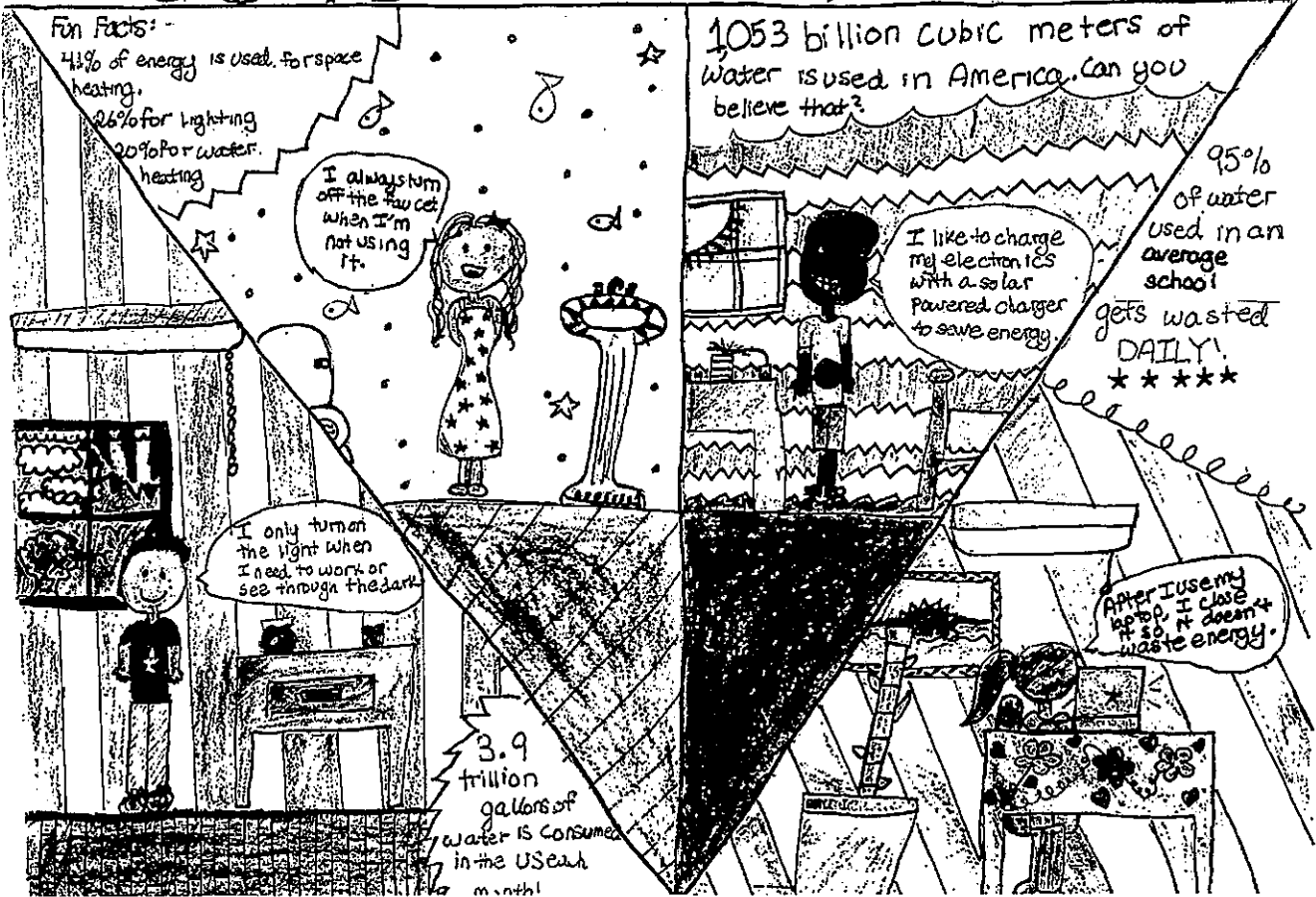


Betty Jin, 8th Grade, Queens

June 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8 Anniversary Day Students not in school	9	10
11	12	13	14	15	16	17
18 Father's Day	19	20	21	22	23	24
25	26 Eid al-Fitr Schools Closed	27	28 Last Day of School	29	30	

CONSERVING ENERGY



Angie Law, 5th Grade, Manhattan

July 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4 Independence Day	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					



Luyi Song, 12th Grade, Brooklyn

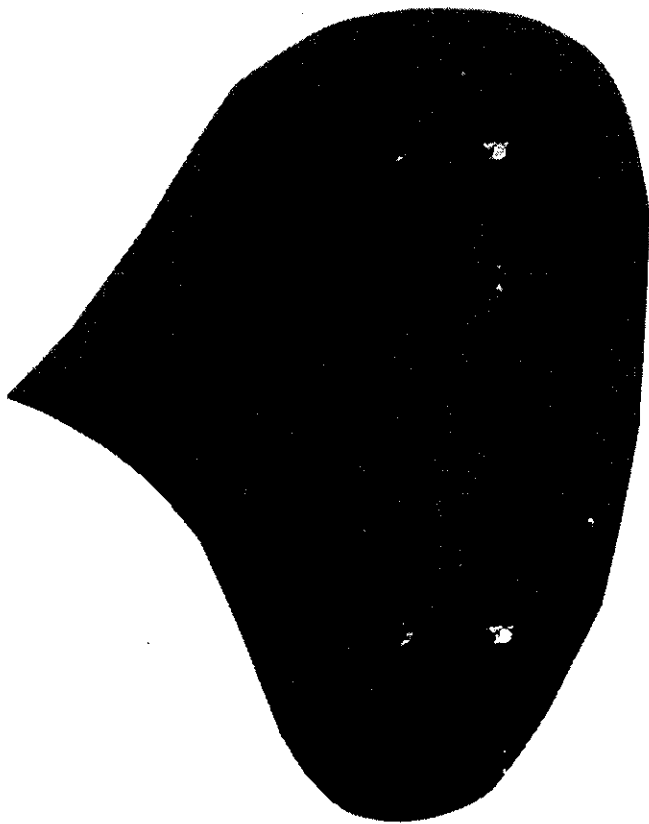
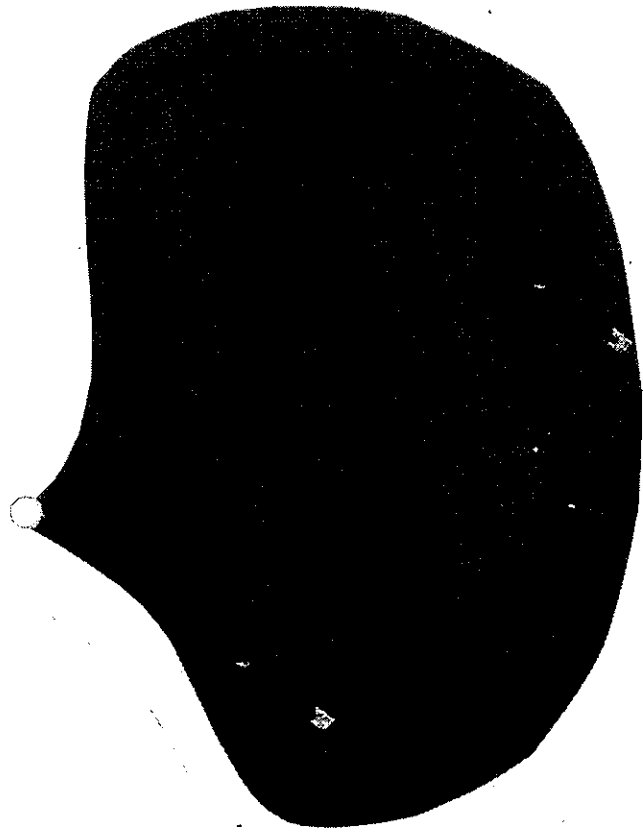
August 2017

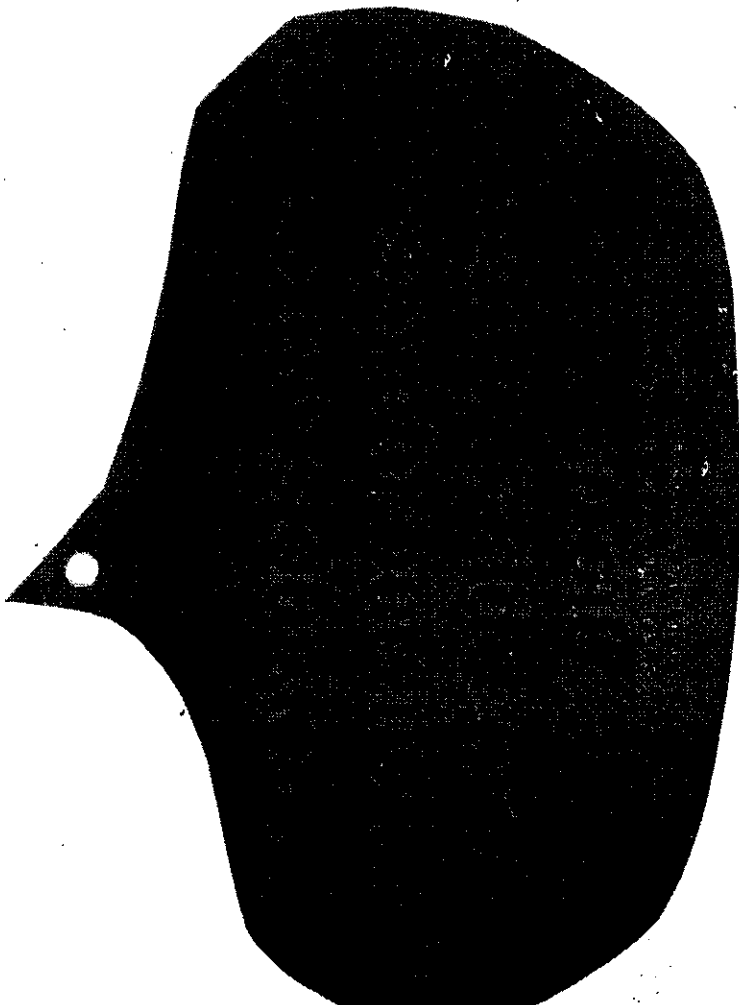
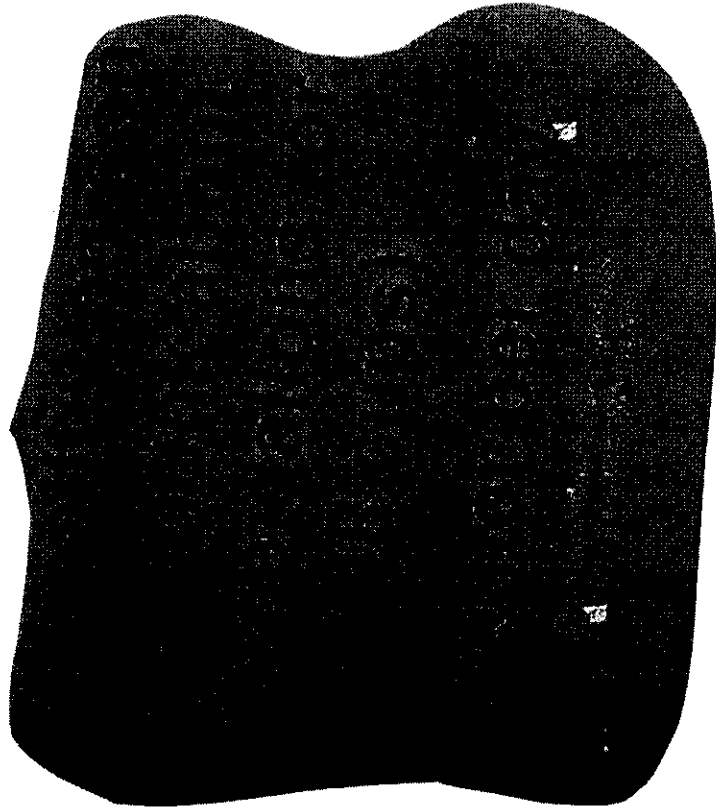
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

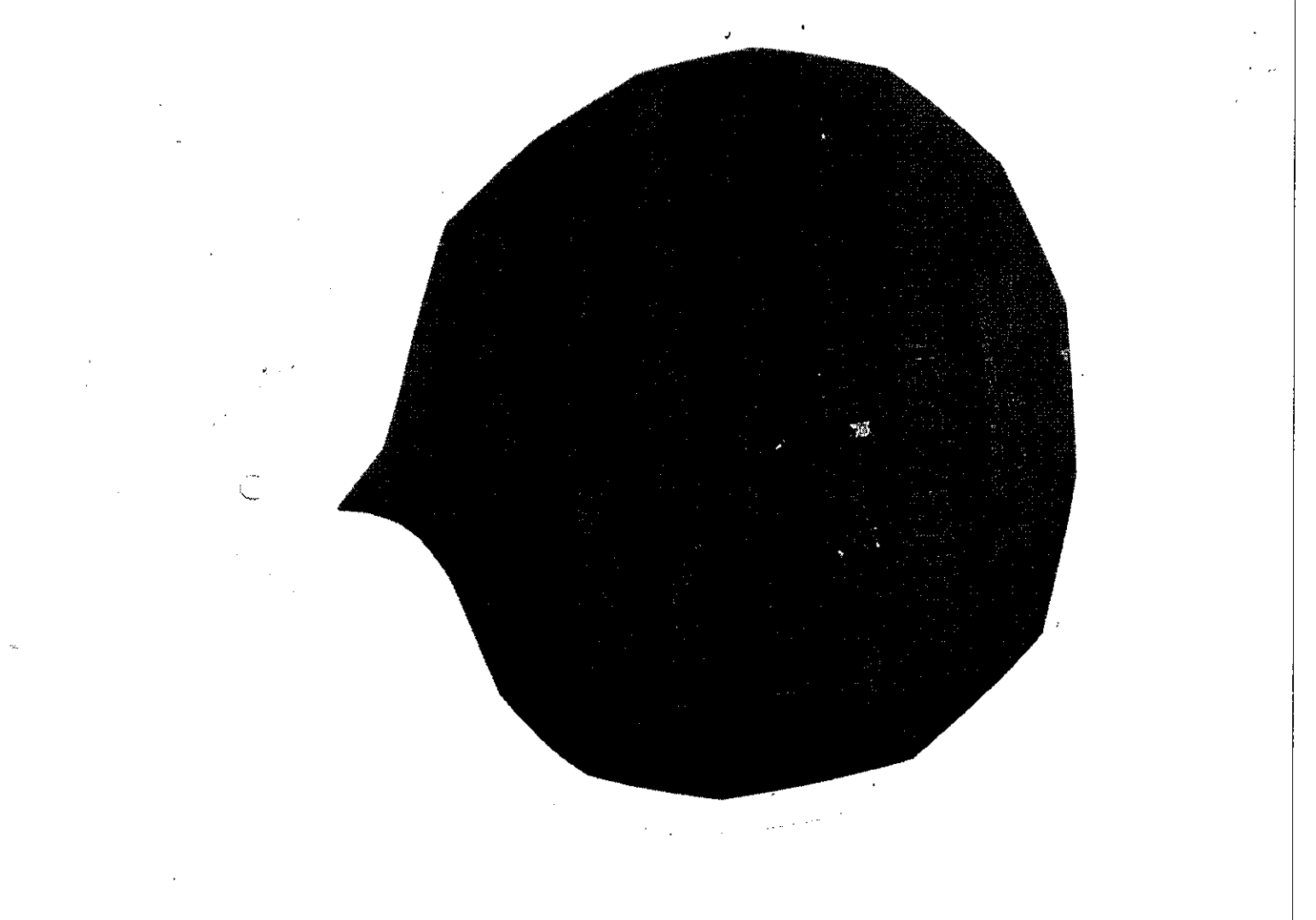
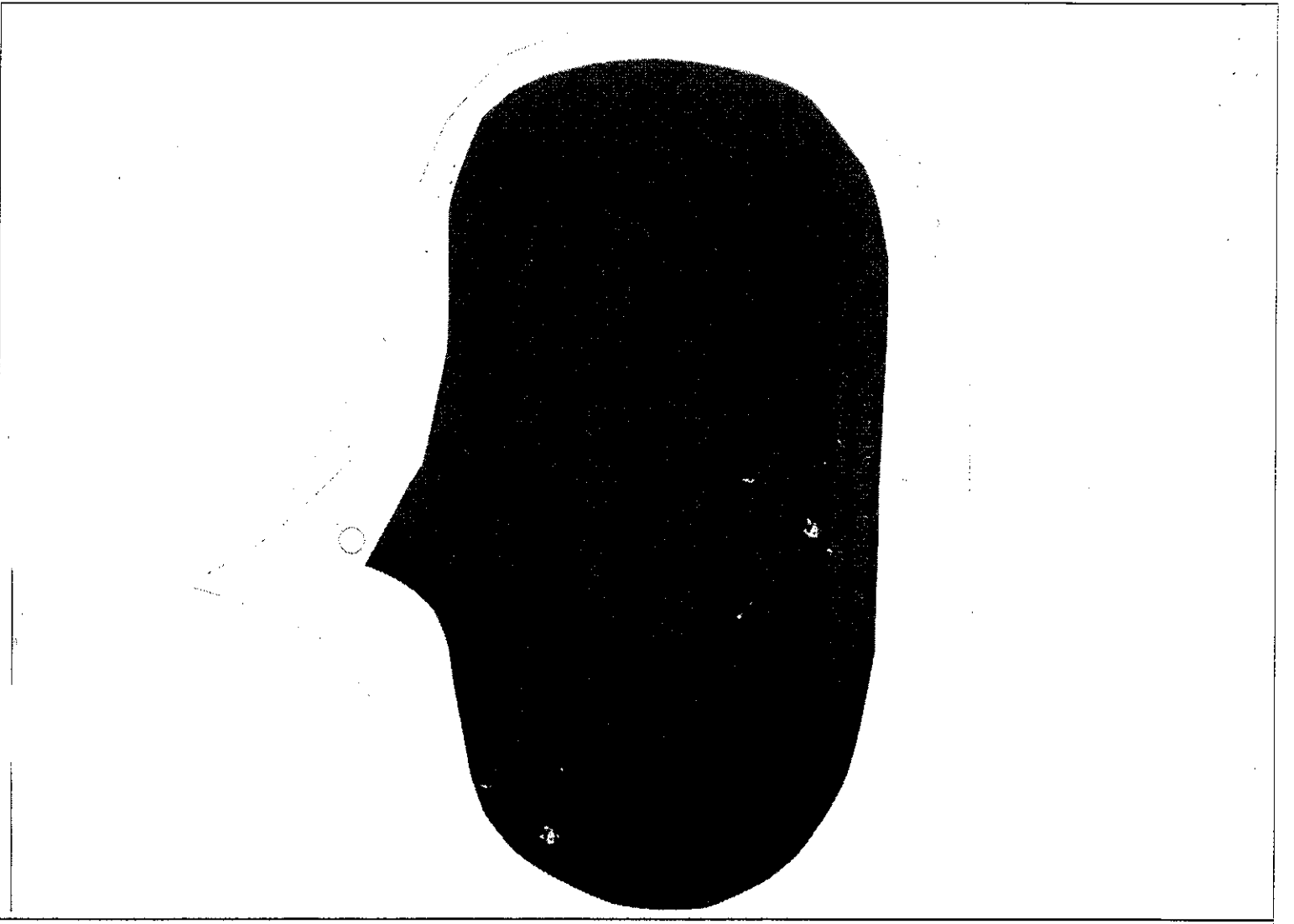
LIST OF WINNERS

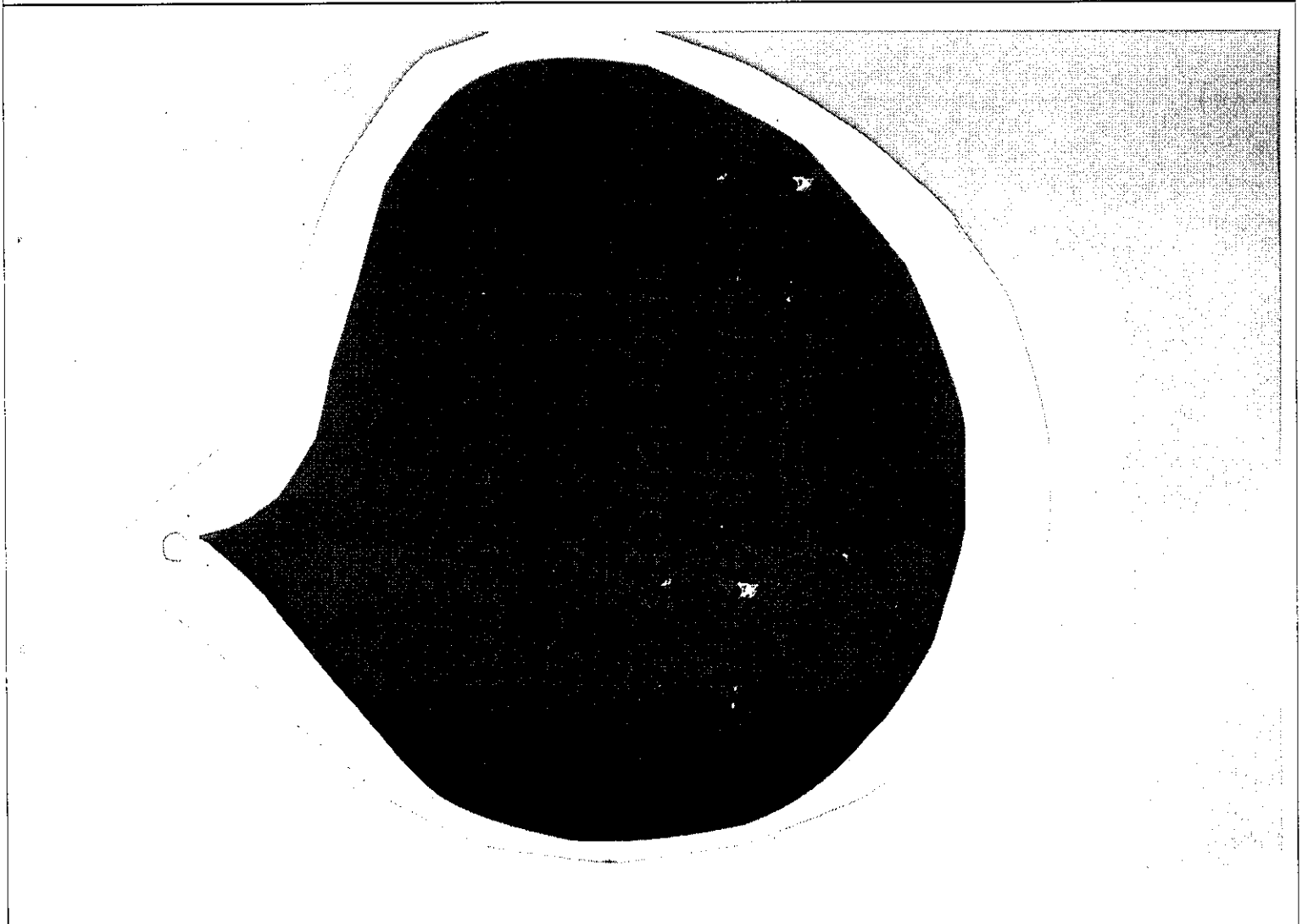
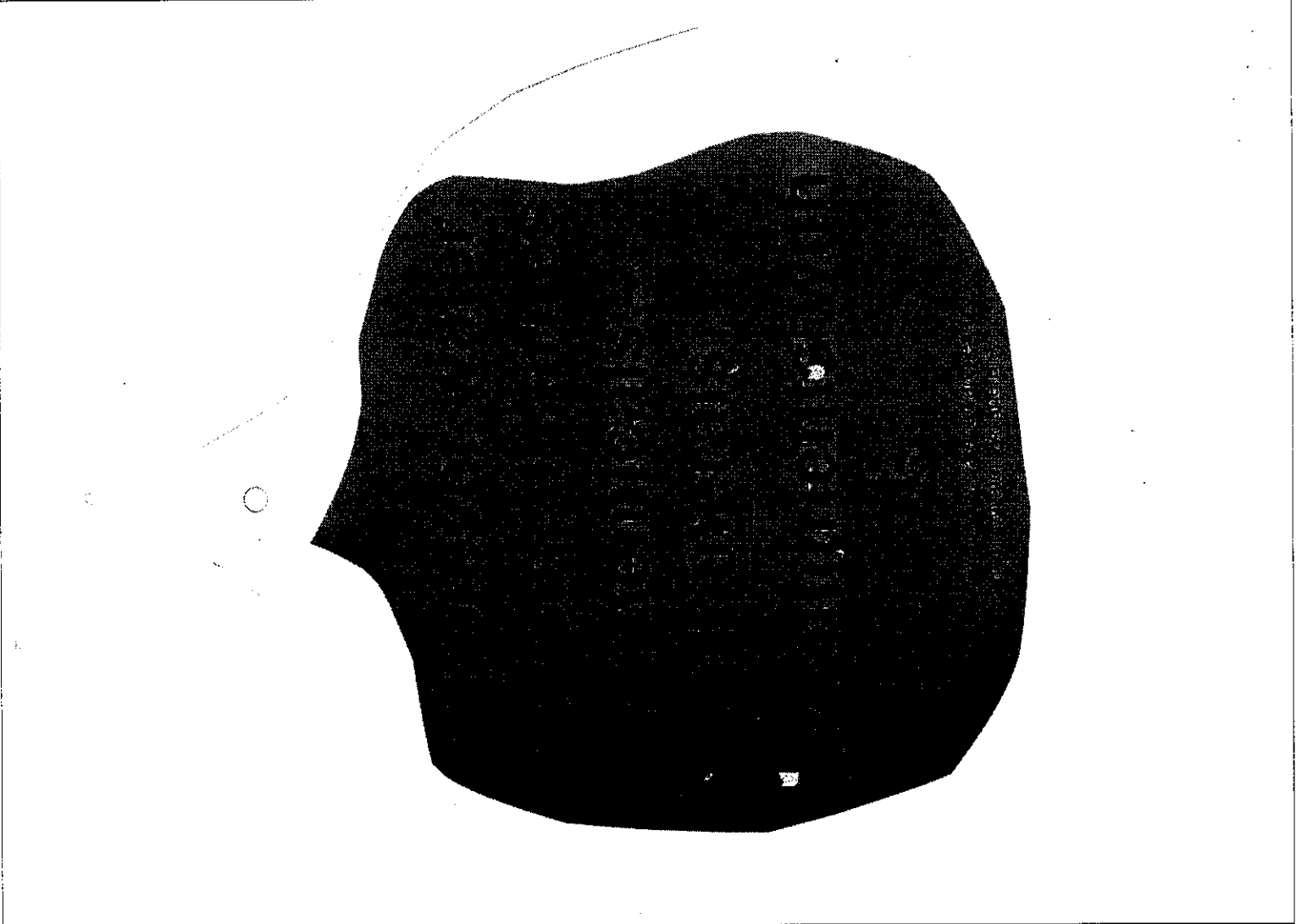
- Cover — Emily Cruz, 8th Grade, I.S. 98 Bay Academy, Brooklyn**
- Intro — Phung Huynh, 10th Grade, Eleanor Roosevelt High School, Manhattan**
- September— Andrew Suresh Kumar, Kindergarten, P.S. 154, Queens**
- October— Lux Yenifer Pastrana, 12th Grade, James Madison High School, Brooklyn**
- November— Sharika Ismat, 7th Grade, P.S/M.S 194, Bronx**
- December—Martino Tenreiro, 2nd Grade, P.S. 130, Manhattan**
- January— Kenny Yip, 12th Grade, Brooklyn Technical High School, Brooklyn**
- February— Edward Chiu, 6th Grade, I.S. 98 Bay Academy, Brooklyn**
- March — Tayiba Islam, 4th Grade, P.S. 154, Queens**
- April — Kandra Lin, 9th Grade, Brooklyn Technical High School, Brooklyn**
- May—Ifra Mahmud, 3rd Grade, P.S. 197 Kings Highway Academy, Brooklyn**
- June— Betty Jin, 8th Grade, M.S. 74 Nathaniel Hawthorne, Queens**
- July —Angie Law, 5th Grade, P.S. 130, Manhattan**
- August — Luyi Song, 12th Grade, Brooklyn Technical High School, Brooklyn**
- Back Cover — Olga Katrych, 7th Grade, I.S.98 Bay Academy, Brooklyn**

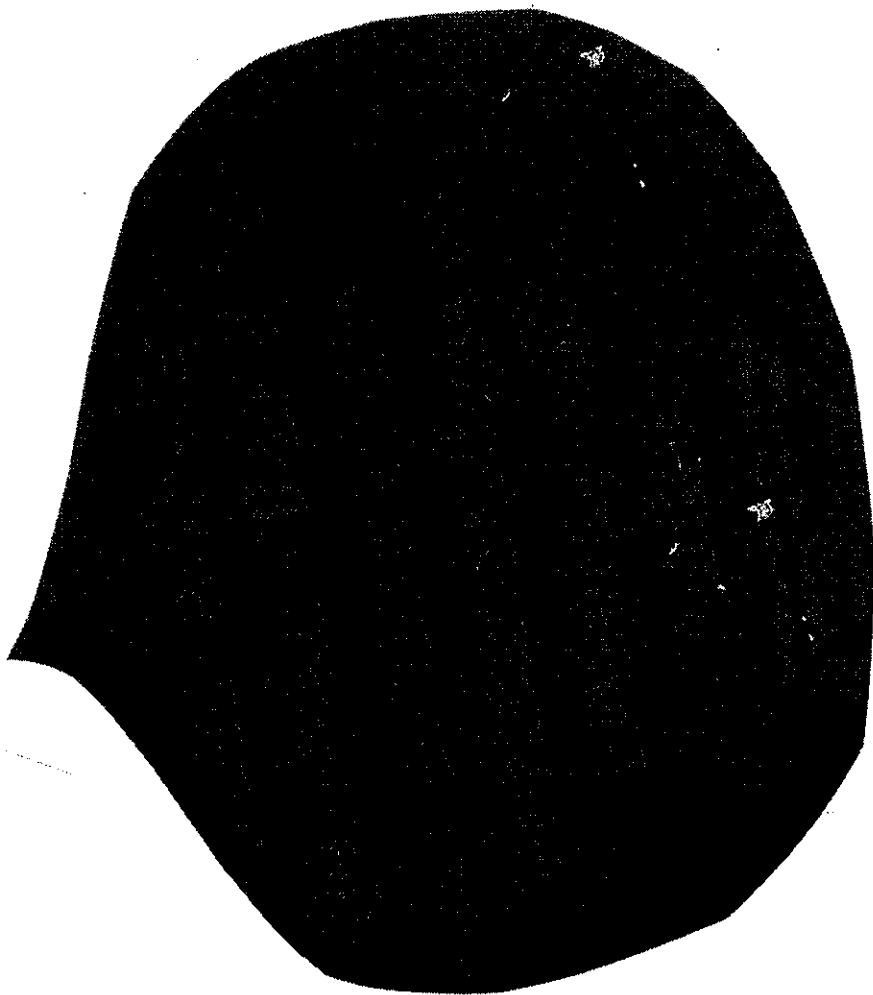
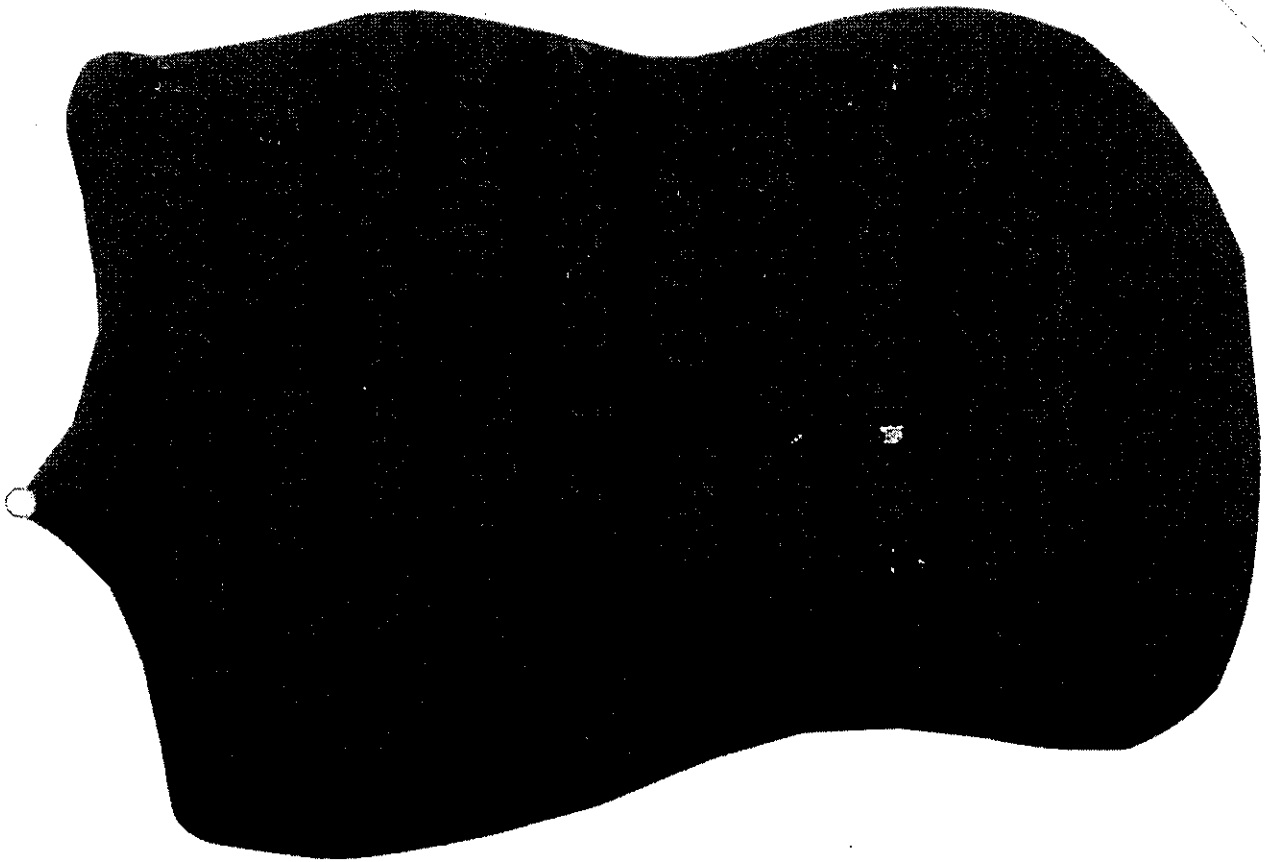
Olga Katrych, 7th Grade, Brooklyn

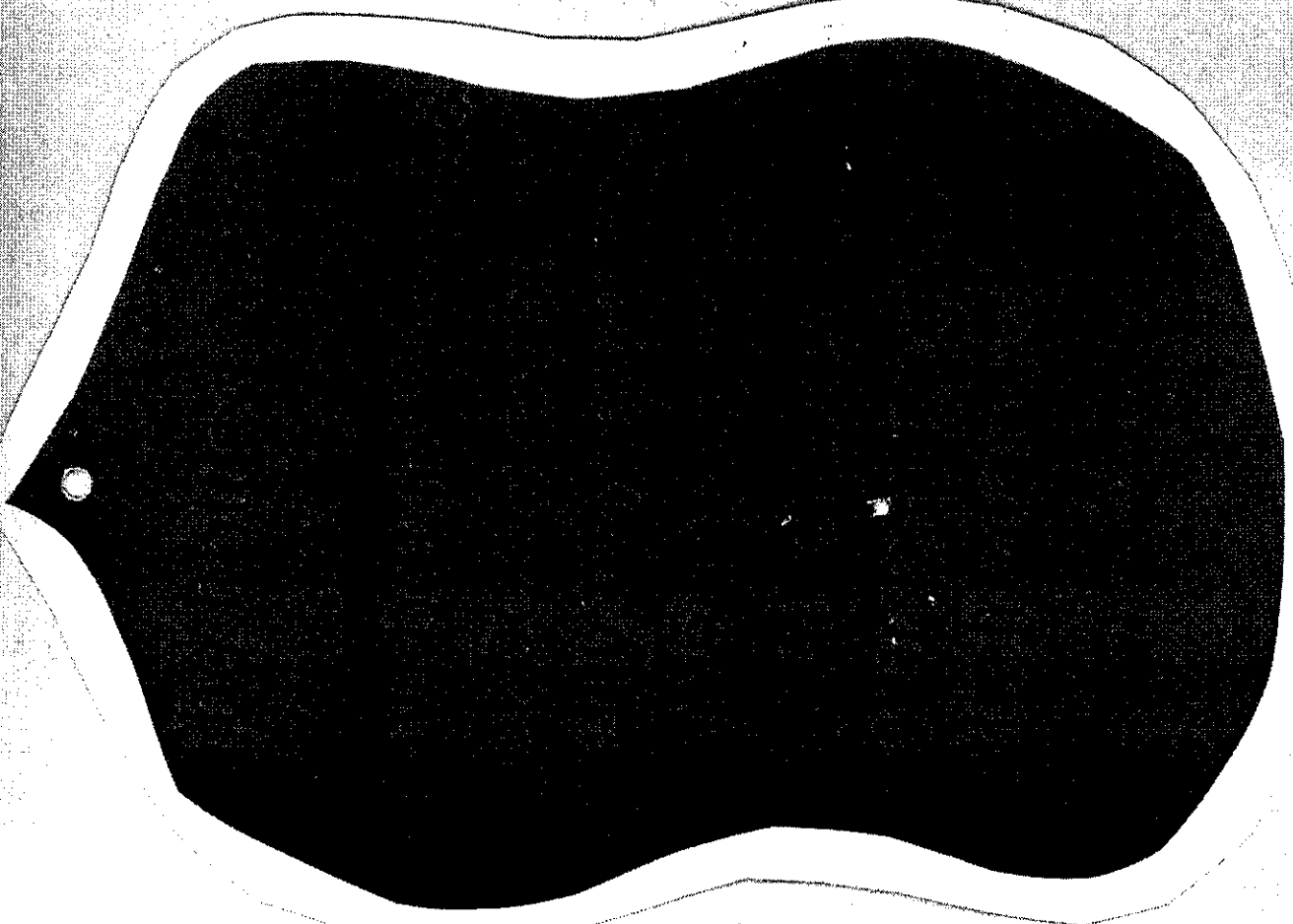
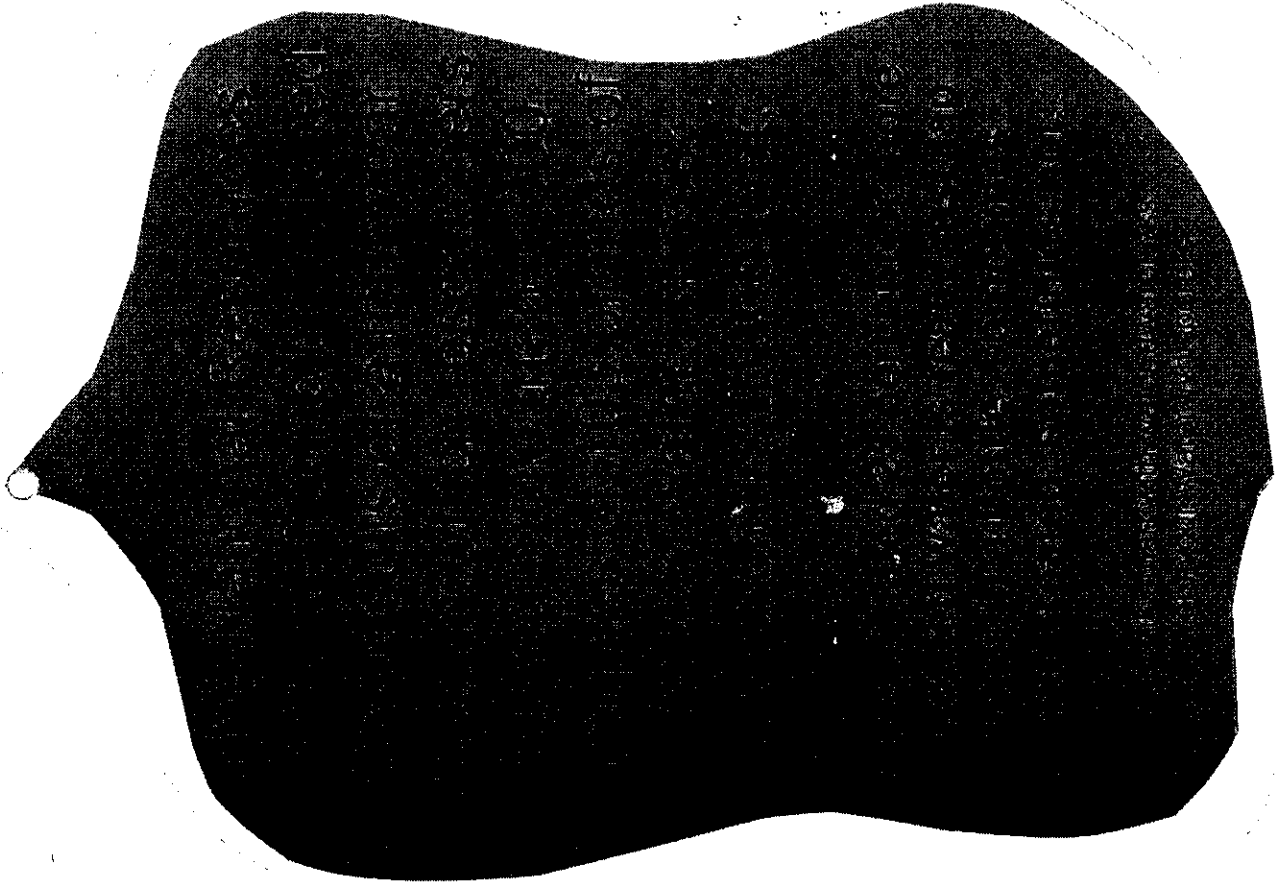











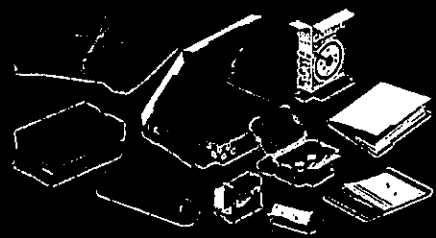






Use this Recycling Checklist to remember what to recycle. Peel back corner and apply to any surface. If residue remains on the applied surface when the checklist is removed, then clean as usual with glass cleaner or similar product.

How To Recycle

Recycling is the law in NYC. Ask your building manager where to bring recyclables.

This sticker pertains to NYC residents, government agencies, schools, and institutions serviced by the Department of Sanitation.

<p>Mixed Paper</p>  <p>Cardboard</p>  <p>No <i>hardcover books; waxed, soiled, or soft paper</i></p>	<p>Metal</p>  <p>Rigid Plastic</p>  <p>Glass bottles & jars</p>  <p>Cartons</p>  <p>No <i>batteries, plastic bags, squeeze tubes & pouches, or plastic foam</i></p>
<p>Flatten and bundle or bag boxes. Staples and window envelopes ok. Put in clear bags, in any bin labeled MIXED PAPER & CARDBOARD, or in any bin with green decal.</p>	<p>Empty and rinse containers before recycling. Caps & lids ok. Put in clear bags, in any bin labeled METAL, GLASS, PLASTIC & CARTONS, or in any bin with blue decal.</p>





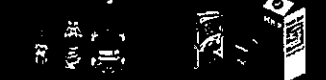

Certain items can't or shouldn't go in the trash or recycling; see nyc.gov/zerowaste for donations and other disposal options.

nyc.gov/zerowaste
 NYCzerowaste



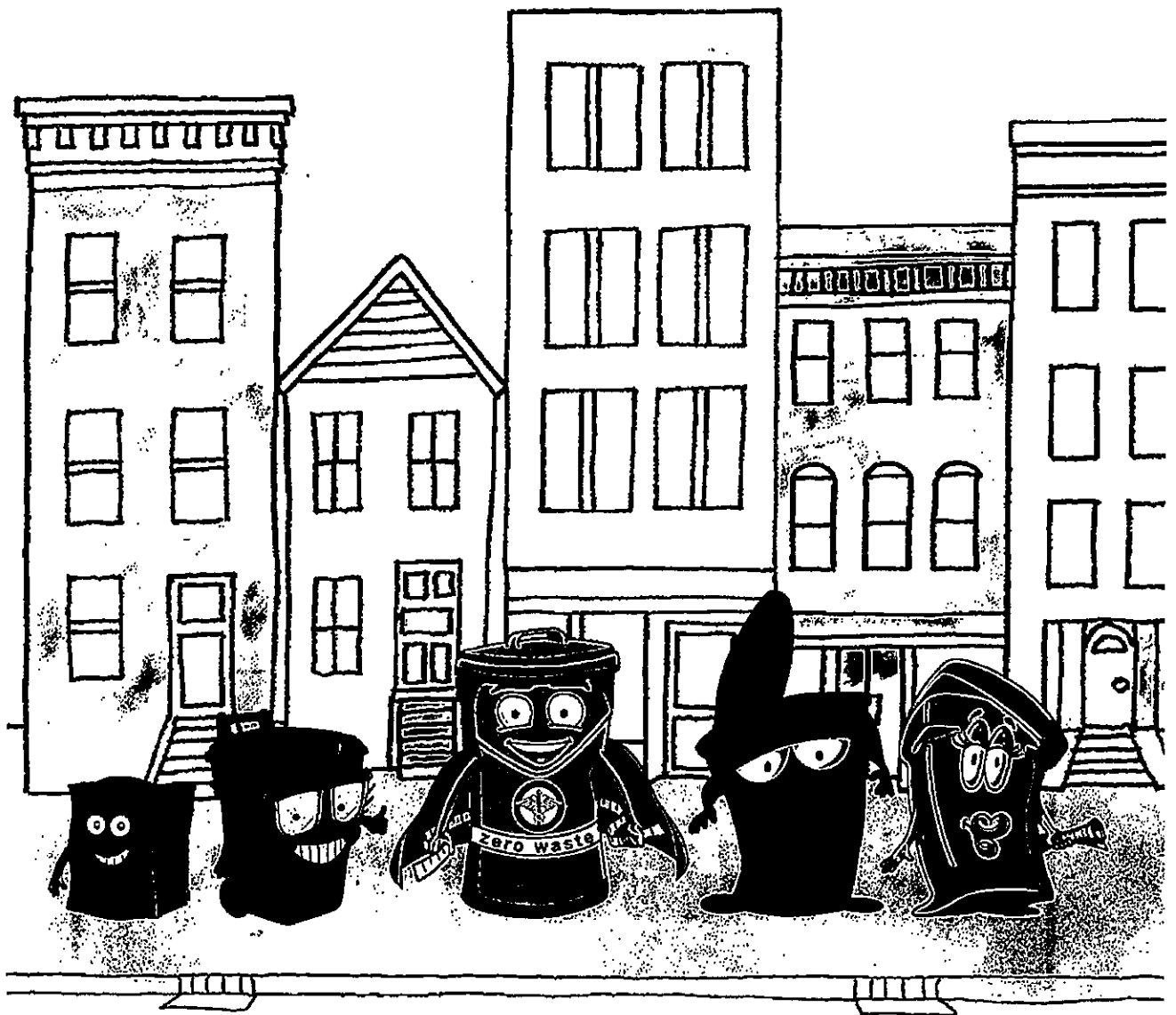
CLSC: CHECKLIST REMOVABLE STICKER - 5.5 X 8.5, 1.18

What To Recycle in NYC

<p>Mixed Paper</p> 	<p>Cardboard</p> 	
<p>Metal</p> 	<p>Rigid Plastic</p> 	<p>Glass bottles & jars</p>  <p>Cartons</p> 

Help us get to zero waste!

FOR NYC SCHOOL KIDS: PRE-K TO 1



Printed on recycled paper, of course.
Save for reference—or recycle it!

06400: COLORING BOOK 3.16

nyc.gov/zerowaste
f t i y NYCzerowaste



NWG

zerowaste

This book belongs to

I learned about zero waste on

MONTH

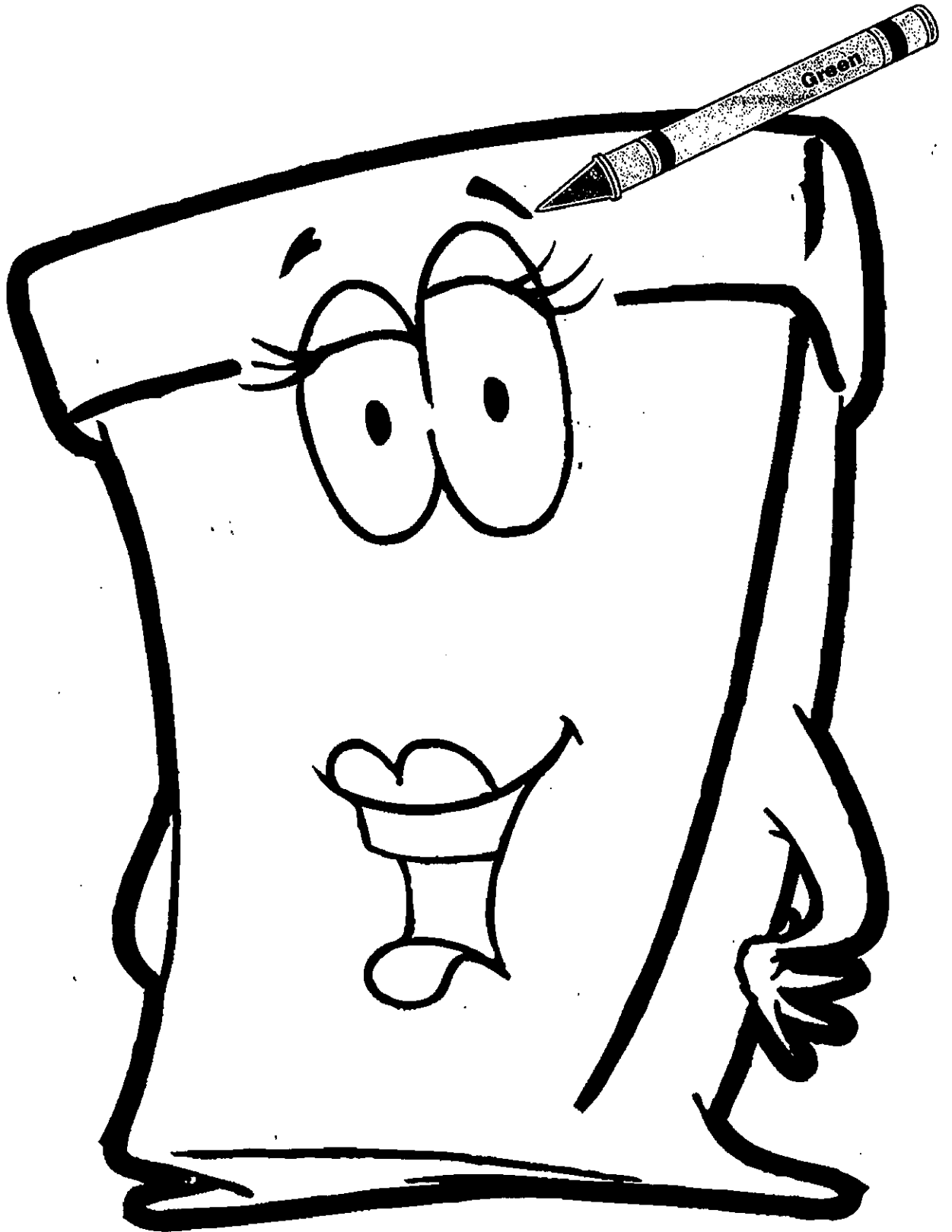
DATE

YEAR

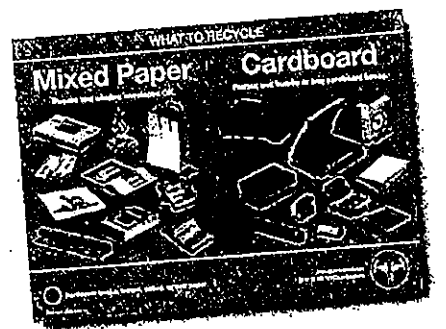


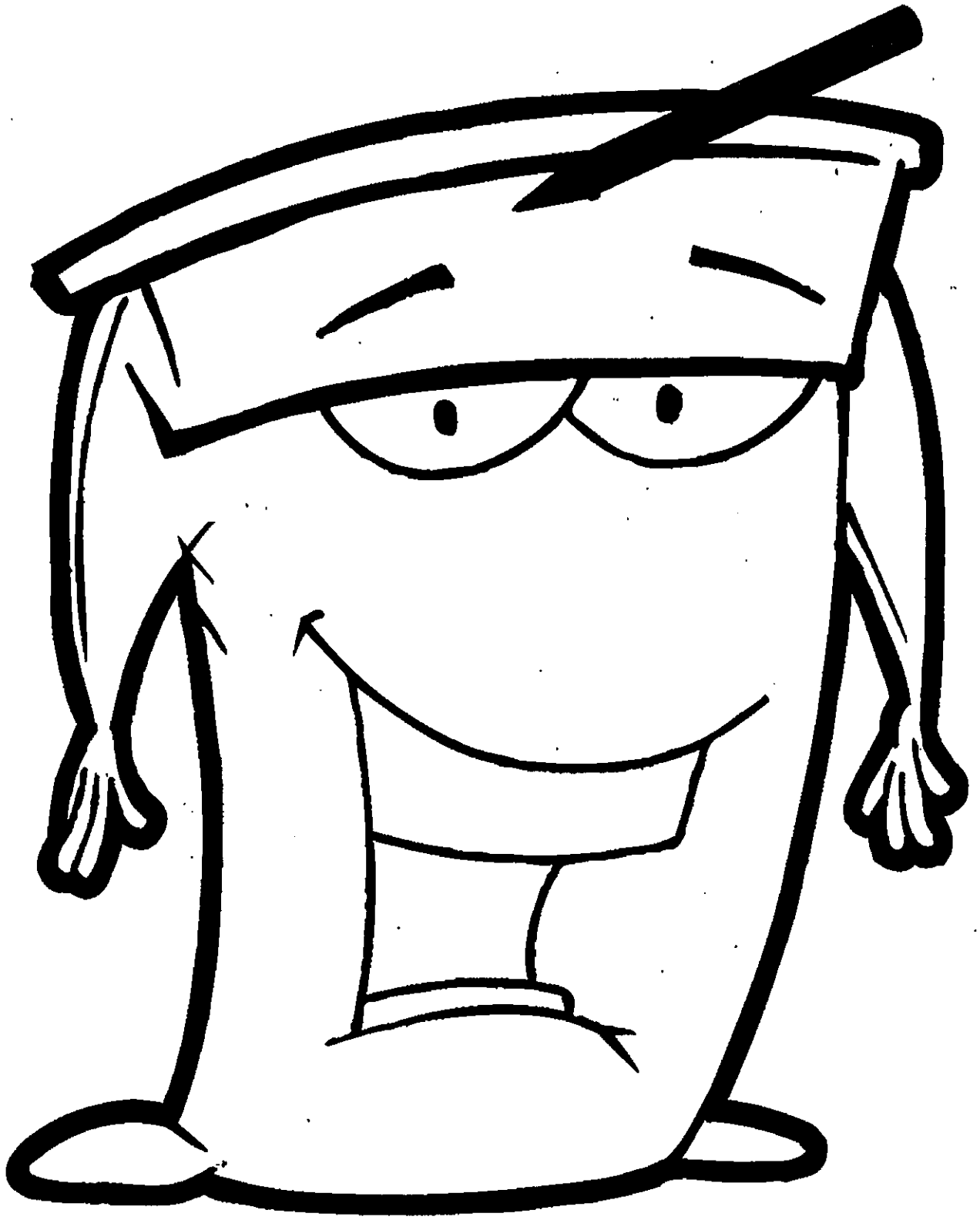
**My goal is to send zero waste
to landfills by 2030!**

**You can help by recycling all
of the items in this book.**

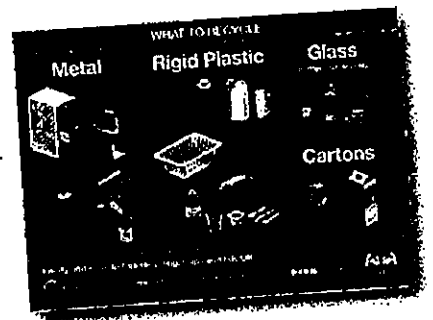


**I'm for mixed paper
& cardboard.**



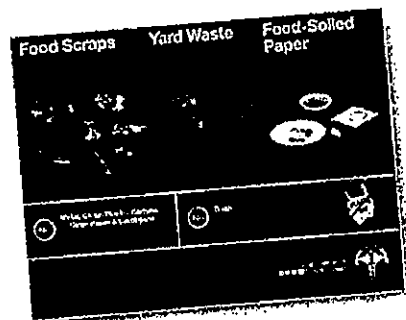


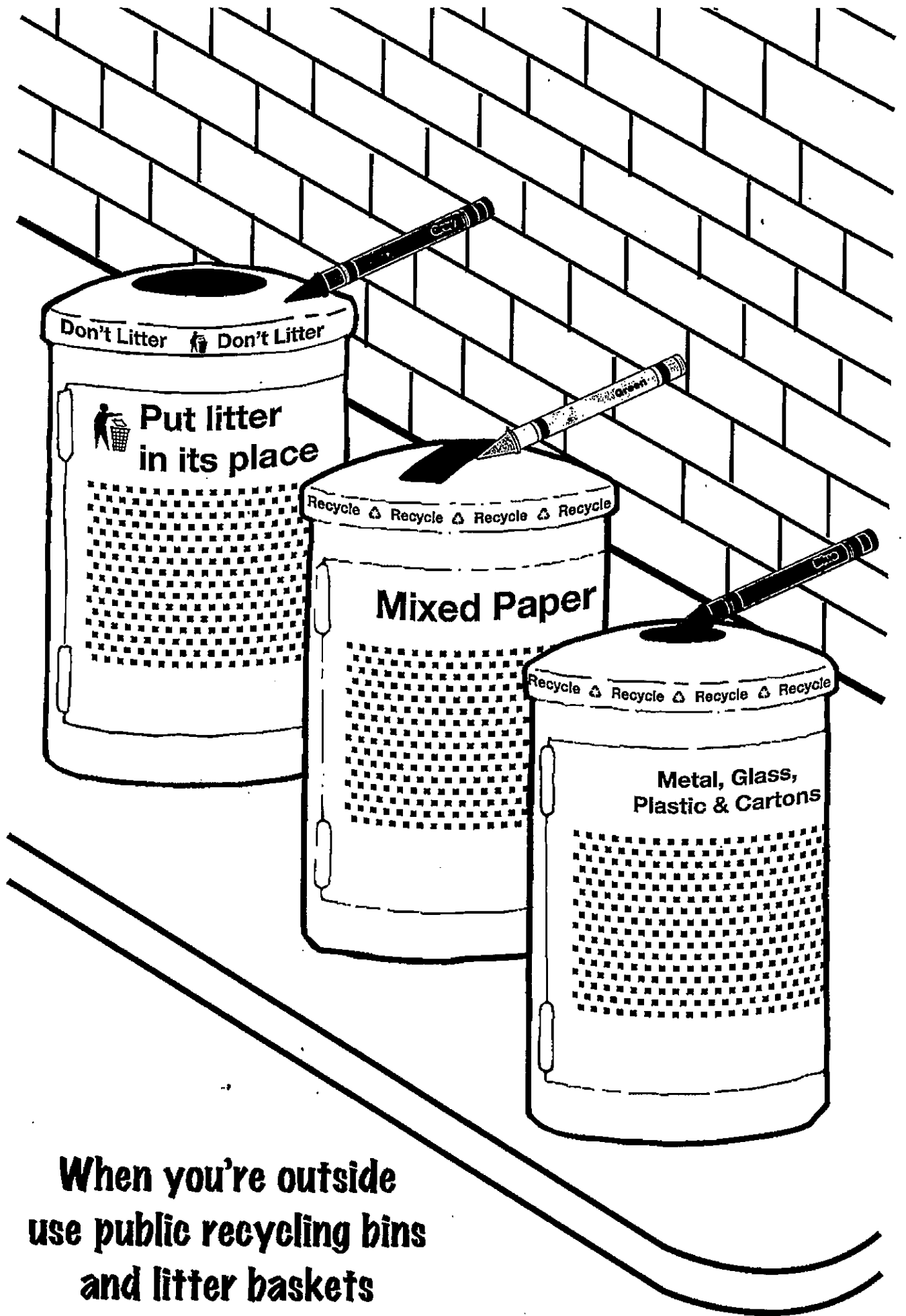
I'm for metal, glass bottles & jars, rigid plastic, and cartons.



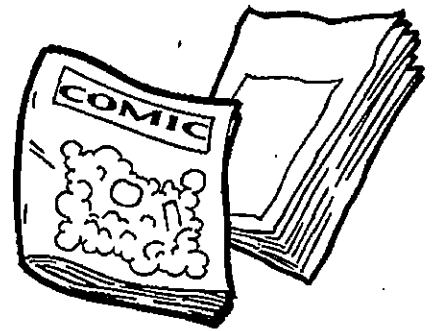
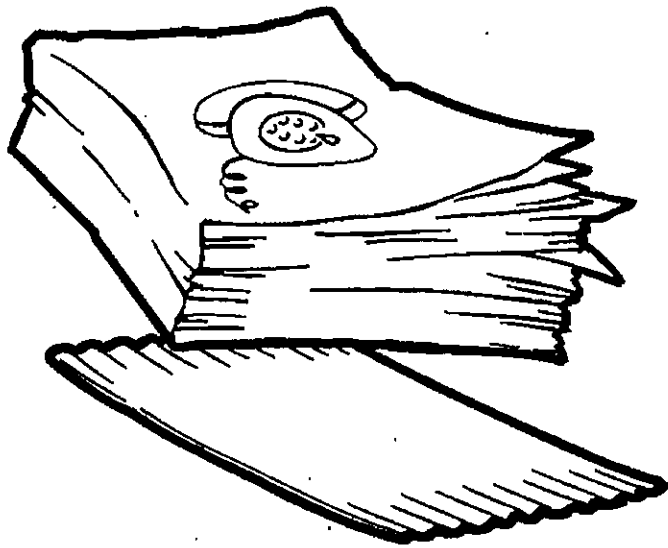


**We're for food scraps,
food-soiled paper,
and yard waste
(called organic waste).**

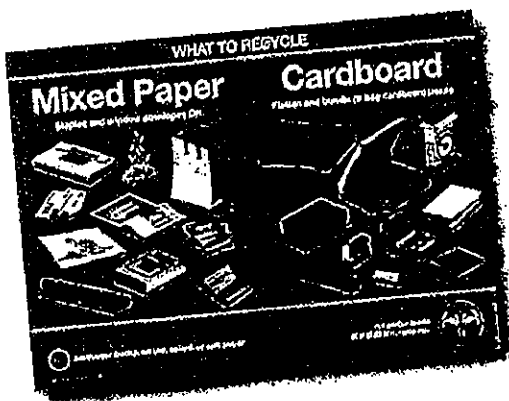
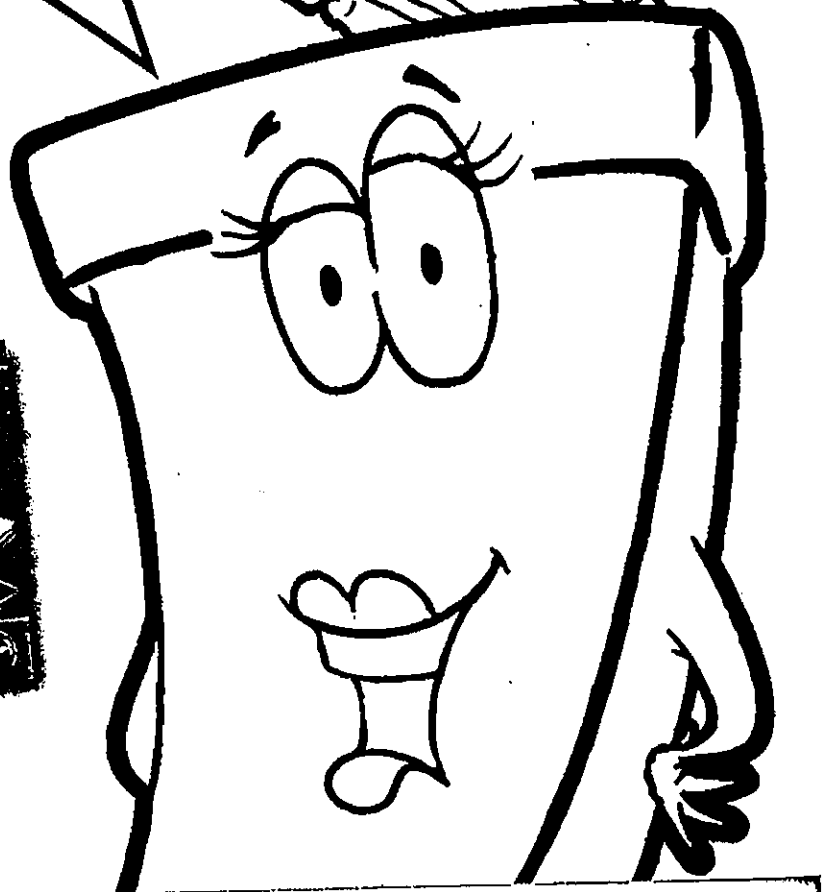
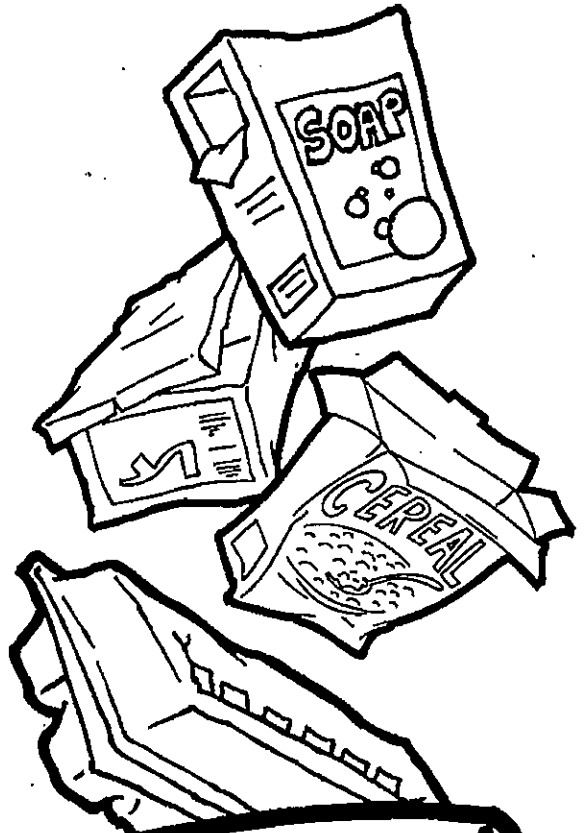


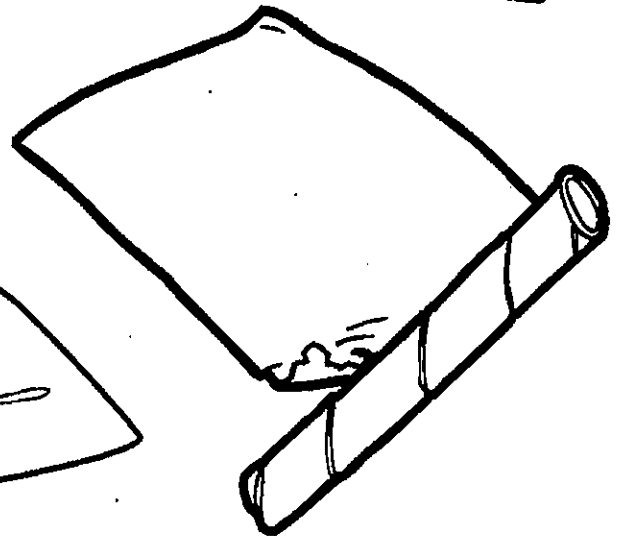
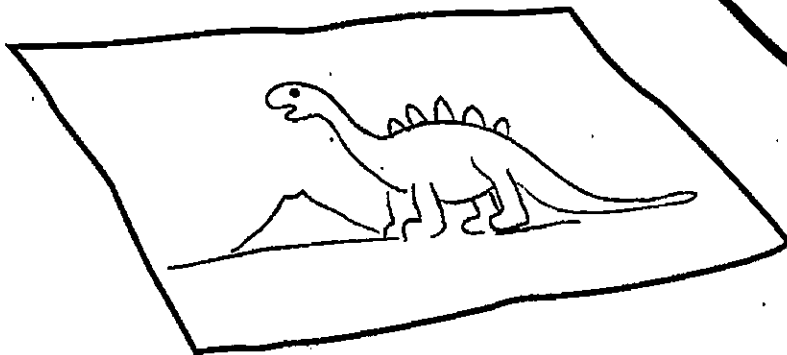
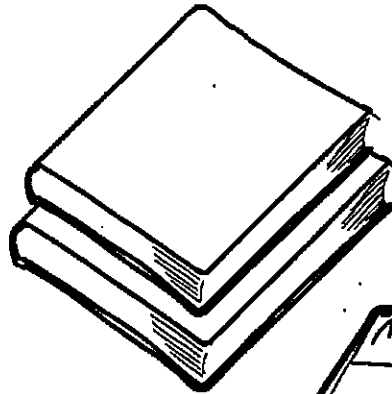
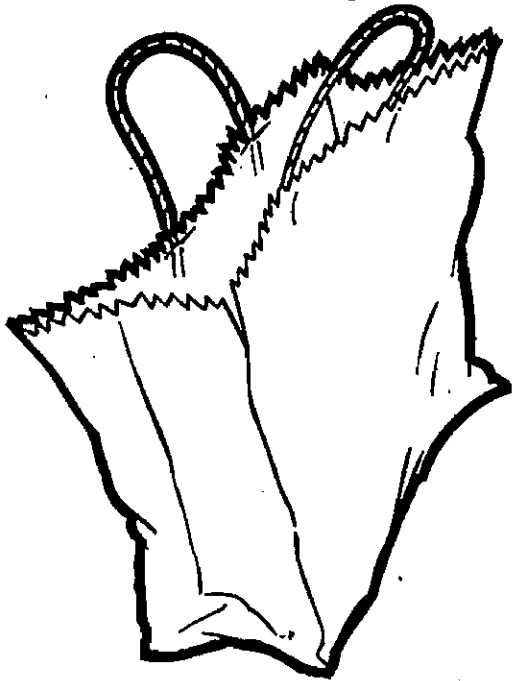
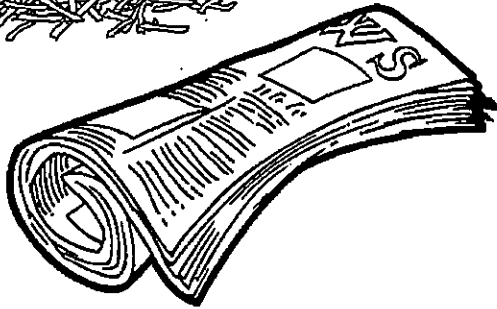
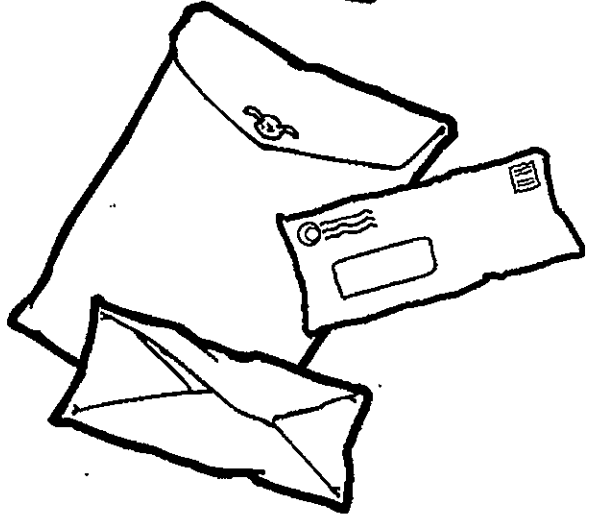
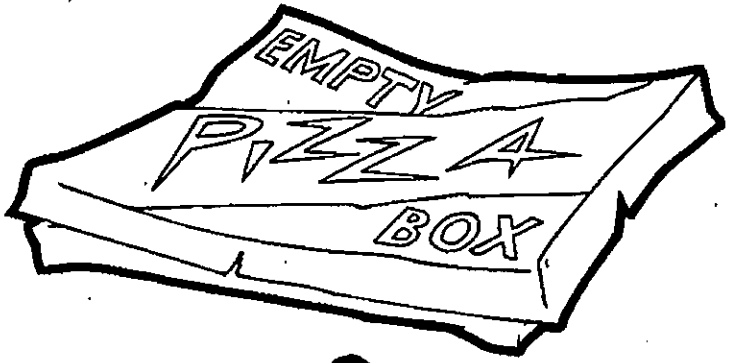


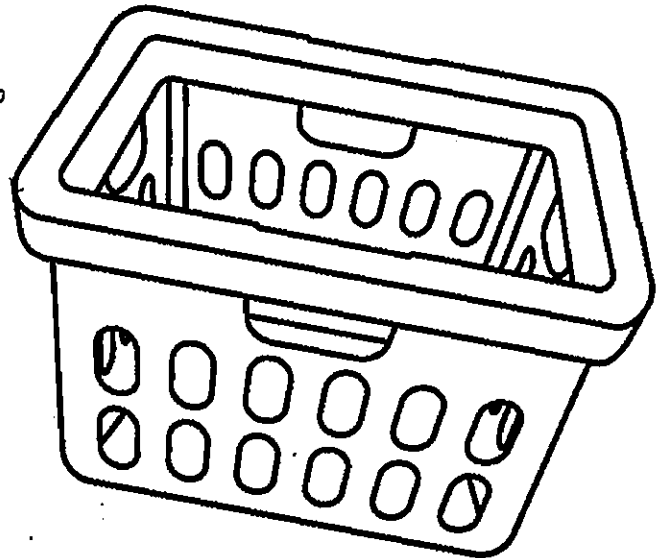
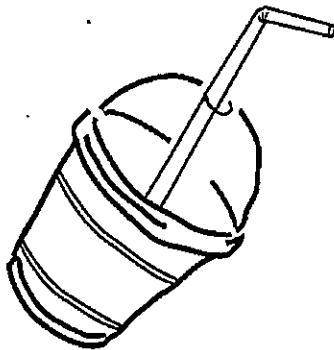
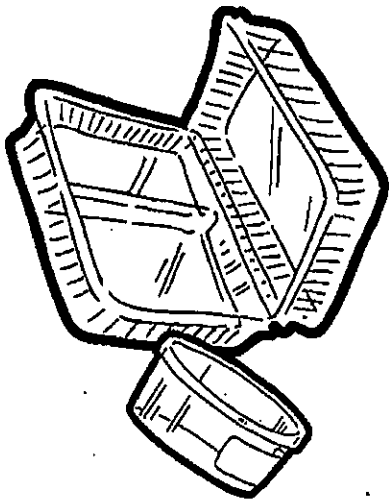
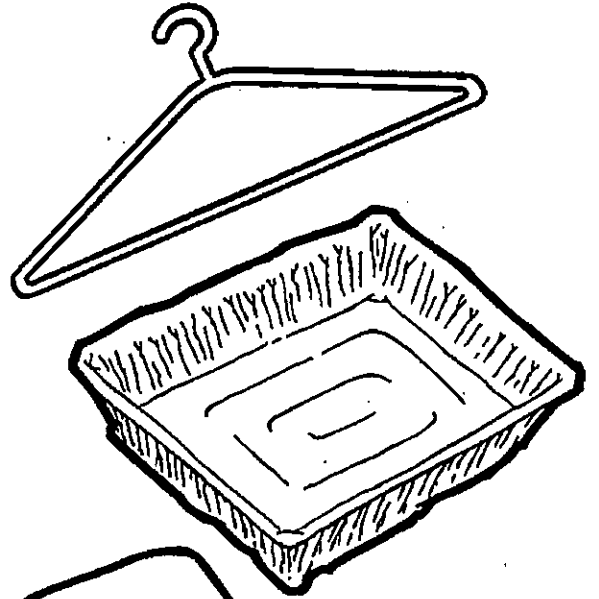
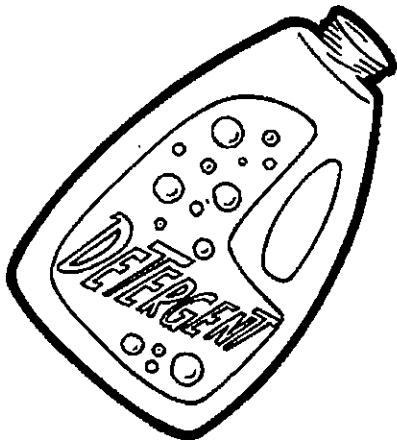
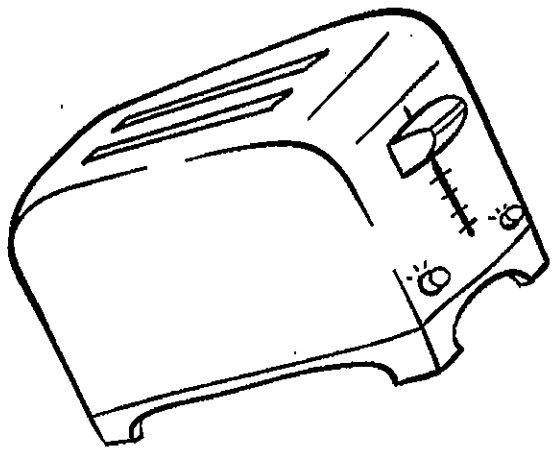
**When you're outside
use public recycling bins
and litter baskets
— never litter!**

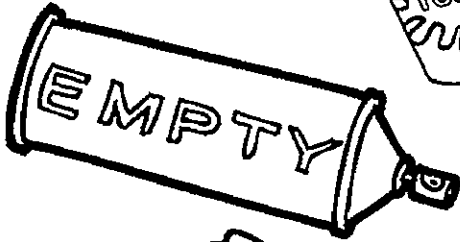
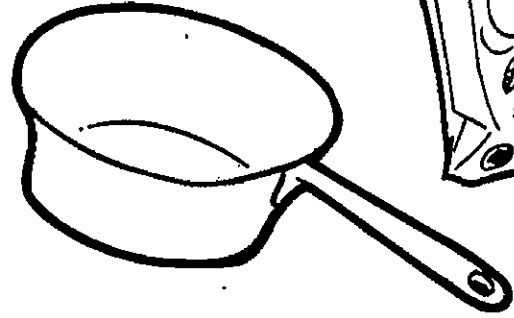
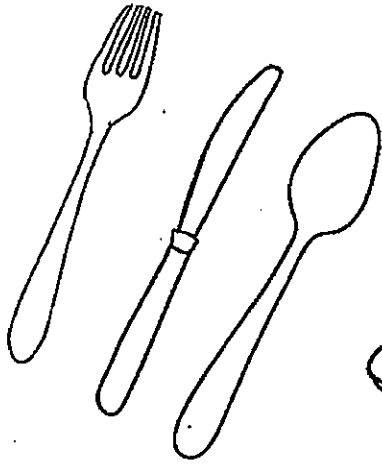


You can
recycle all
these in my
GREEN-labeled
bin.

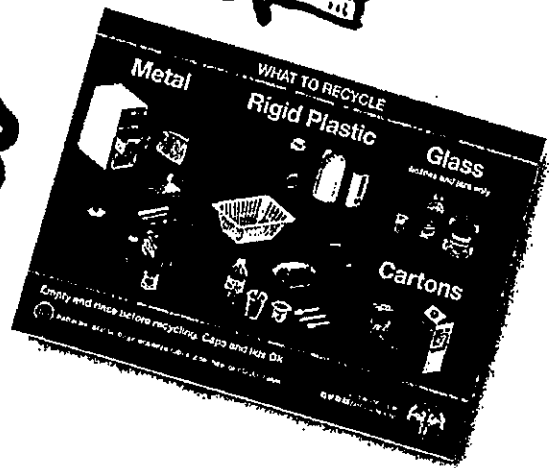
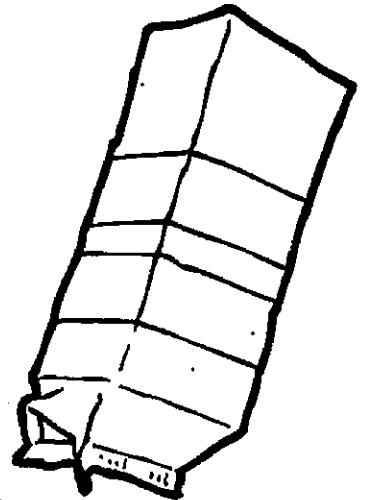
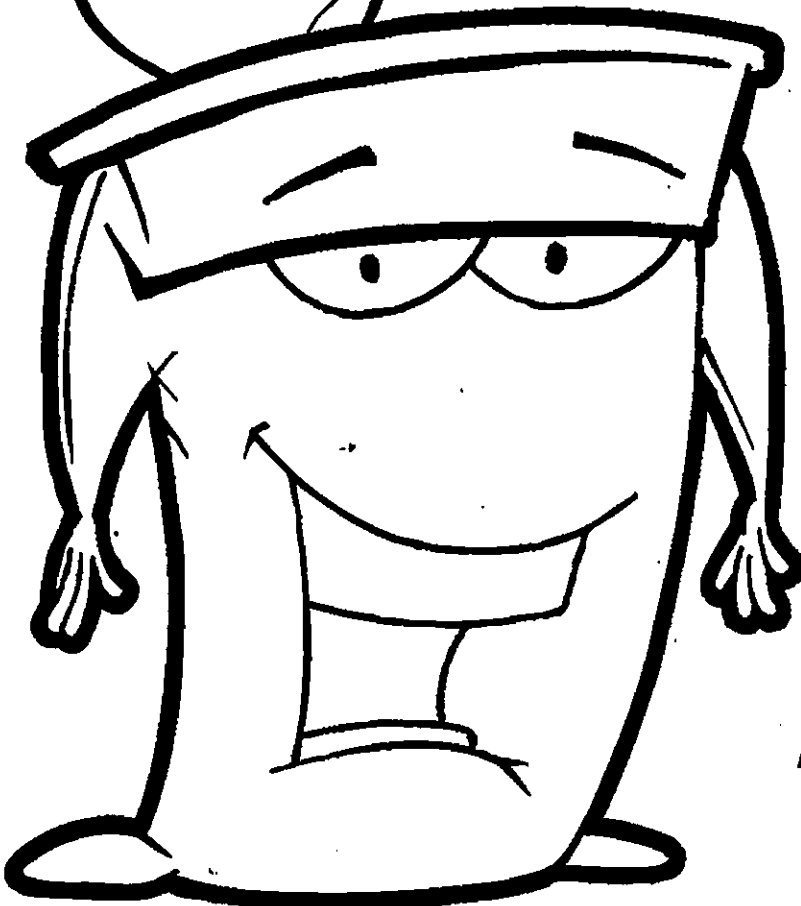
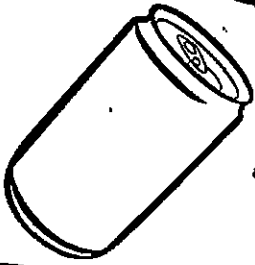




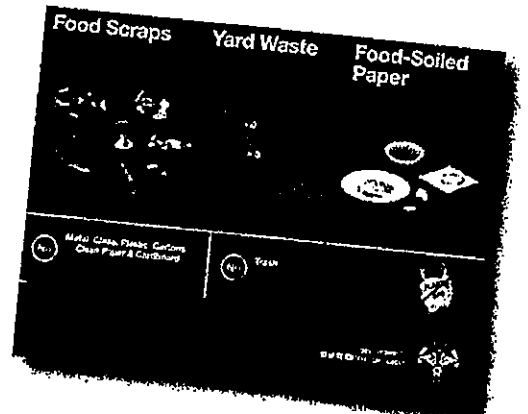
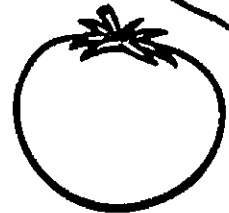
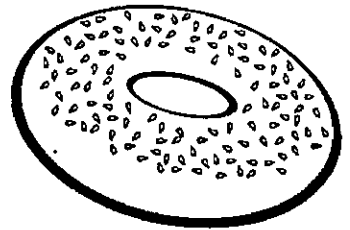
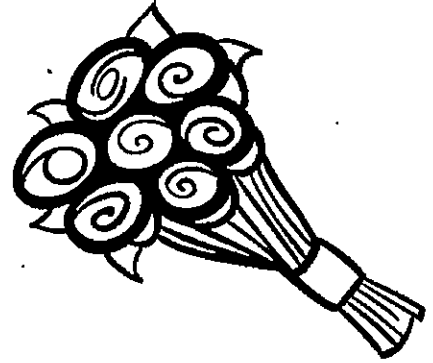
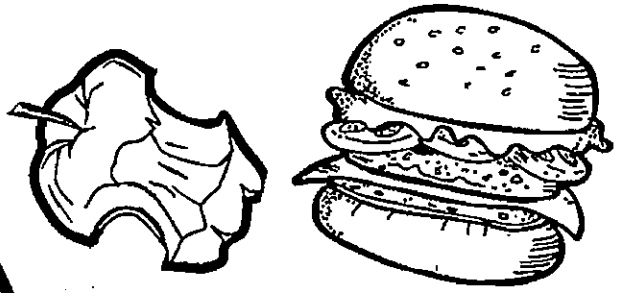


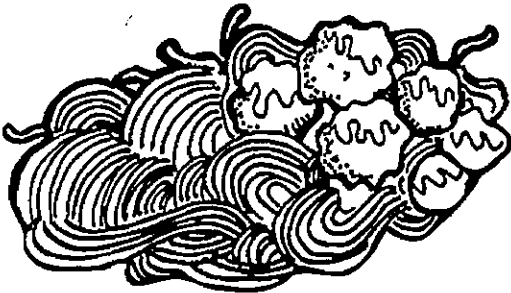
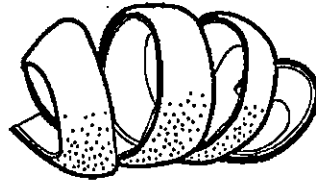
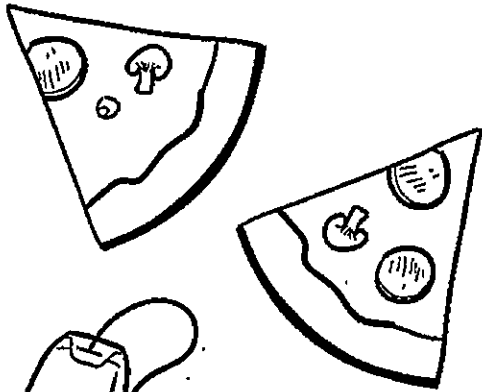


**You can
recycle all
these in my
BLUE-labeled
bin.**

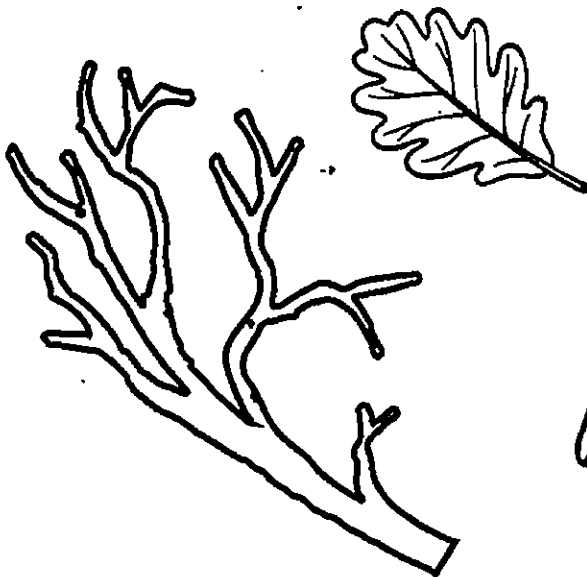
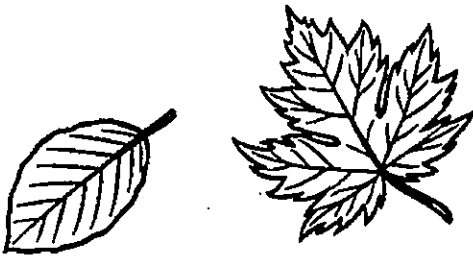


If you live in a participating area, you can recycle all these in my **BROWN** bin...

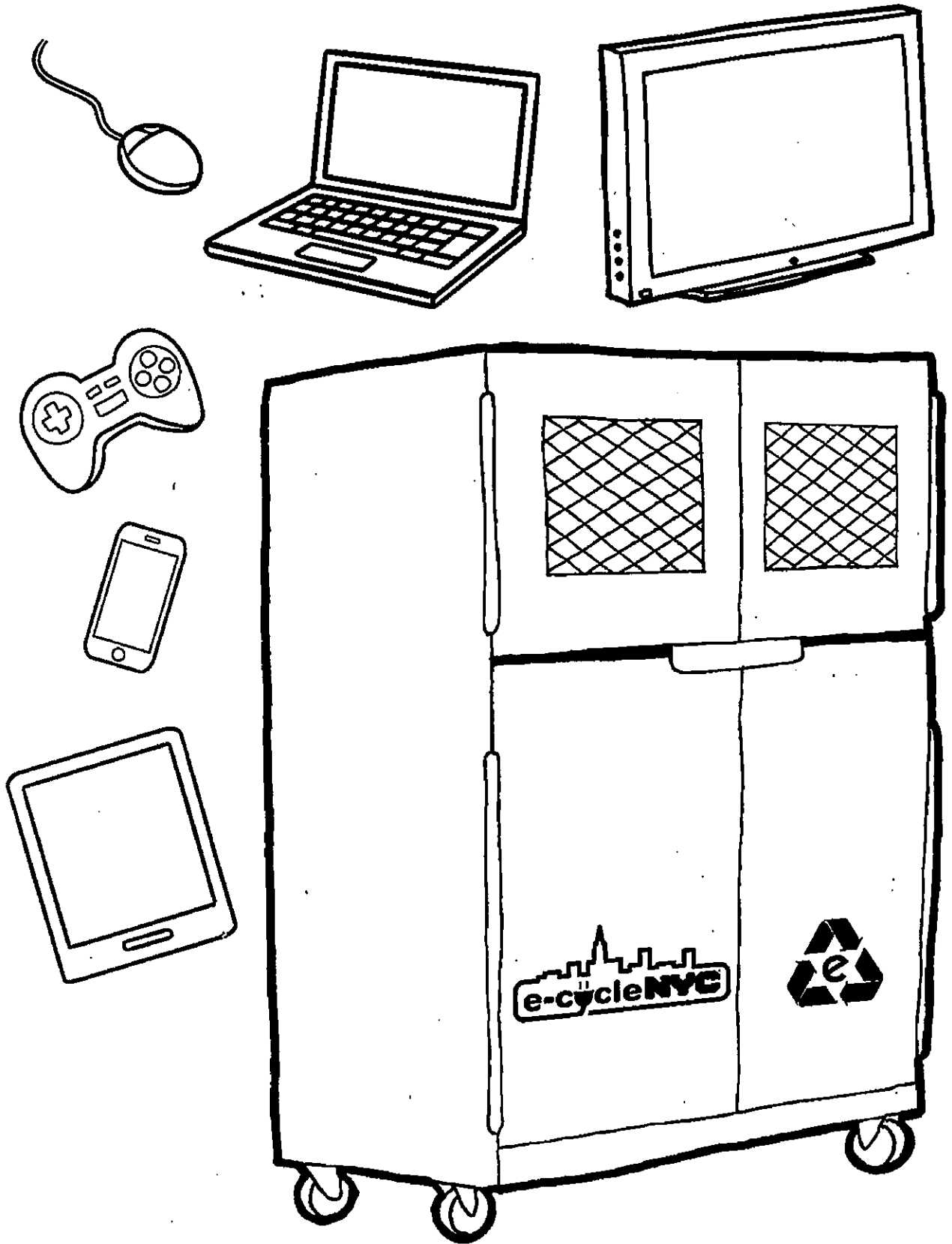




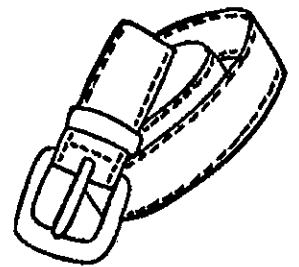
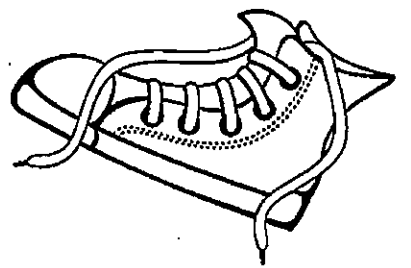
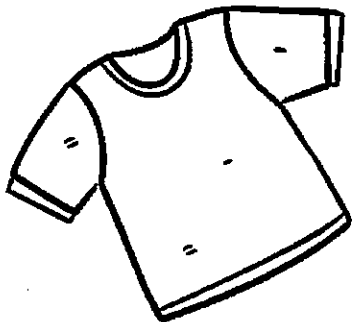
...and extra
yard waste
goes in my
PAPER BAG.



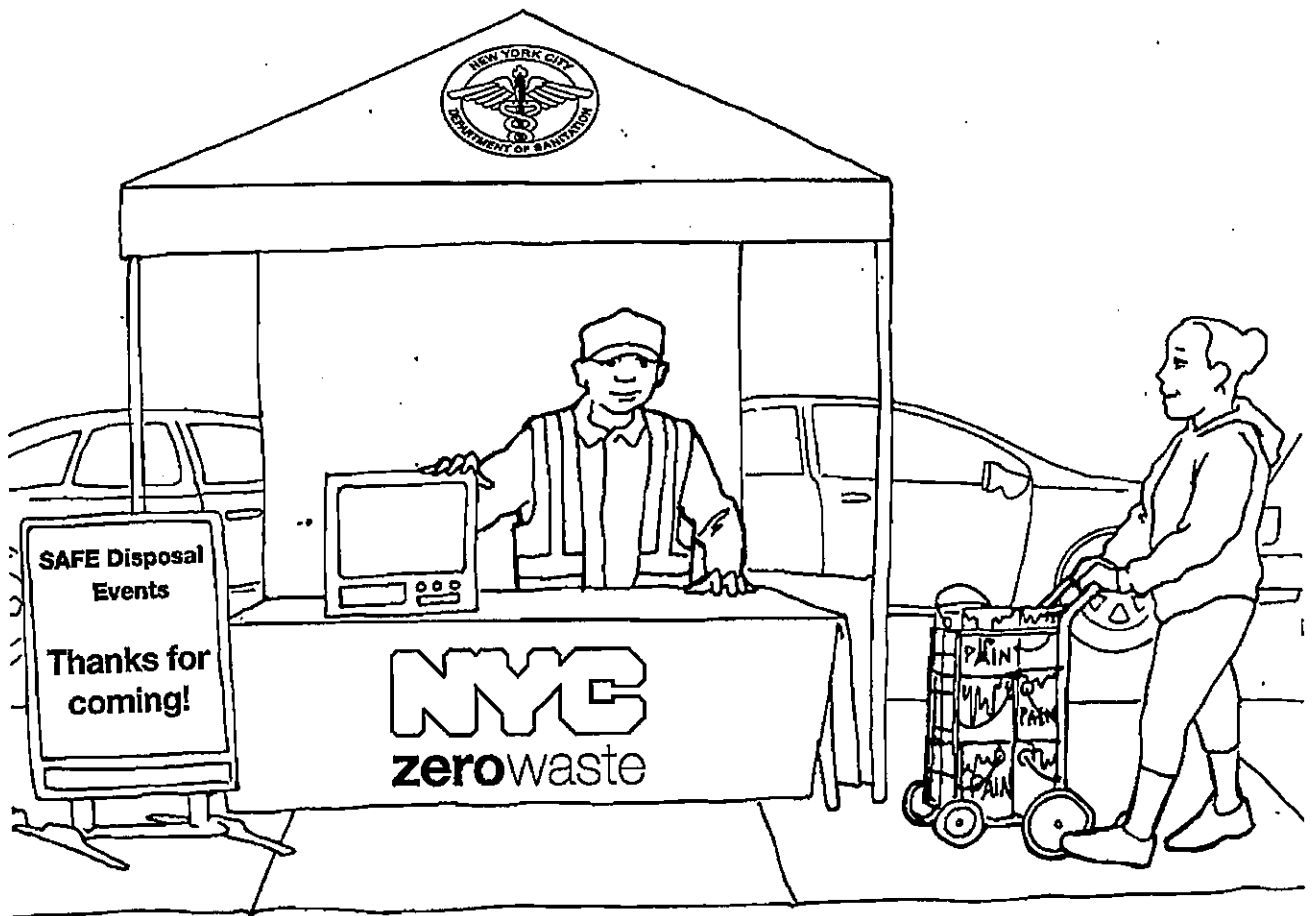
Recycle electronics with e-cycleNYC!



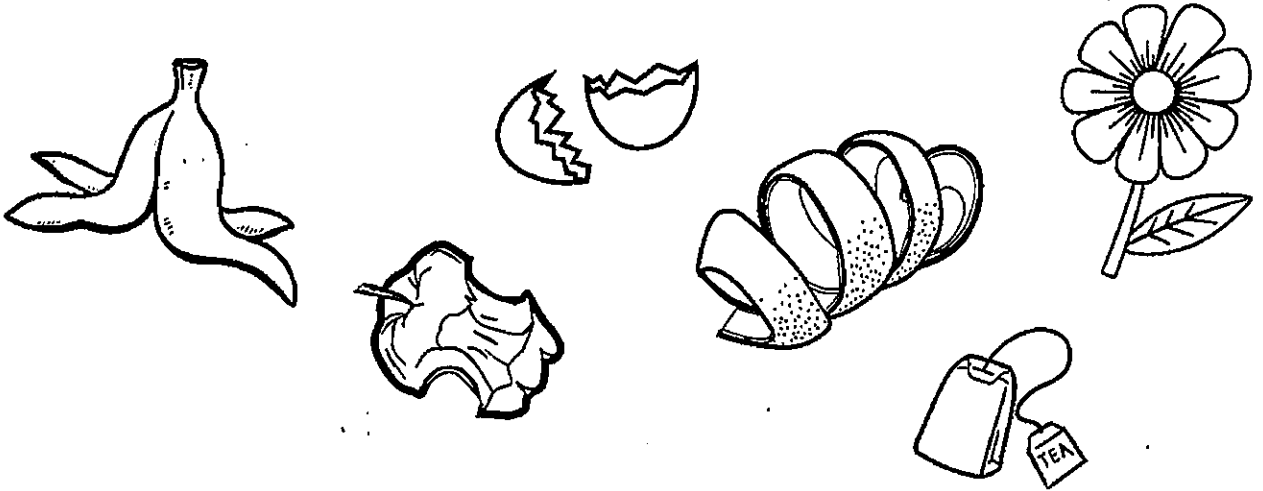
Recycle clothes with re-fashionNYC!



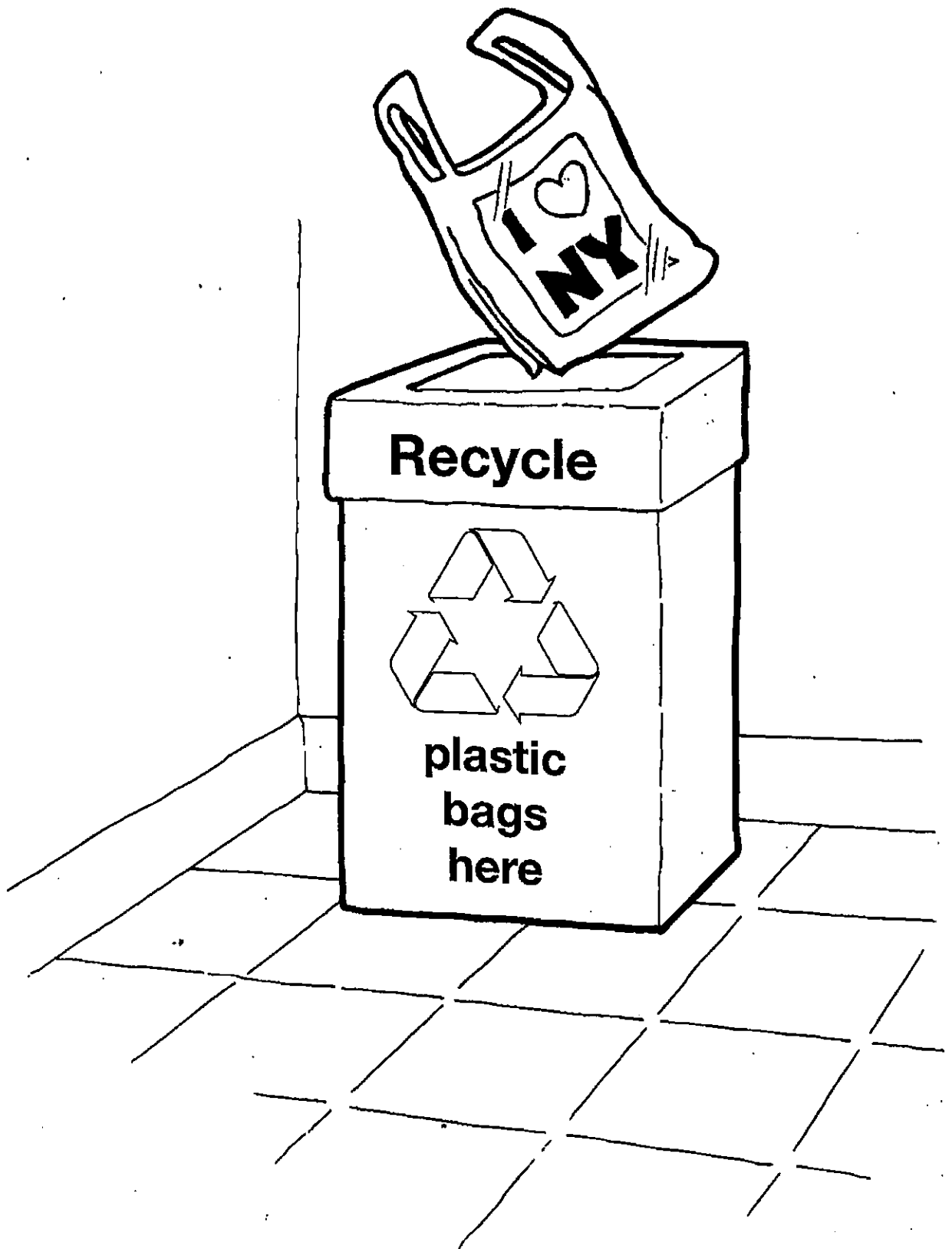
Recycle dangerous materials at a SAFE Disposal Event!



Bring food scraps to a Drop-Off Site!

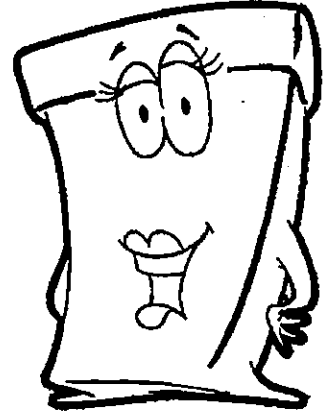
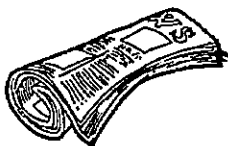
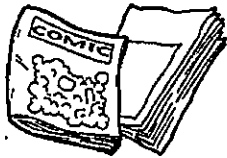
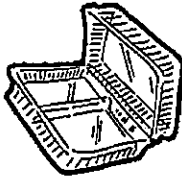
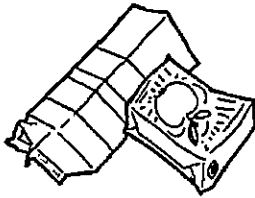


**Bring plastic bags
to local stores!**

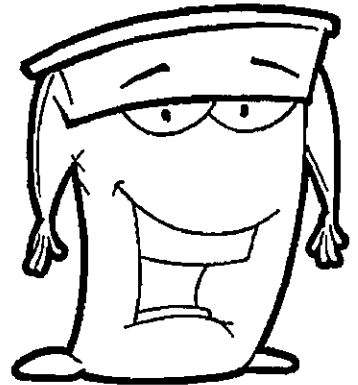


Which goes where?

Draw a line to match the object with the correct bin!



GREEN bin



BLUE bin



BROWN bin

ANSWERS: Beverage Cartons—Blue Bin; Apple—Brown Bin; Plastic Take Out Container—Blue Bin; Newspaper—Green Bin; Chicken Bone—Brown Bin; Cans—Blue Bin; Milk Carton—Blue Bin; Leaf—Brown Bin; Newspaper—Green Bin

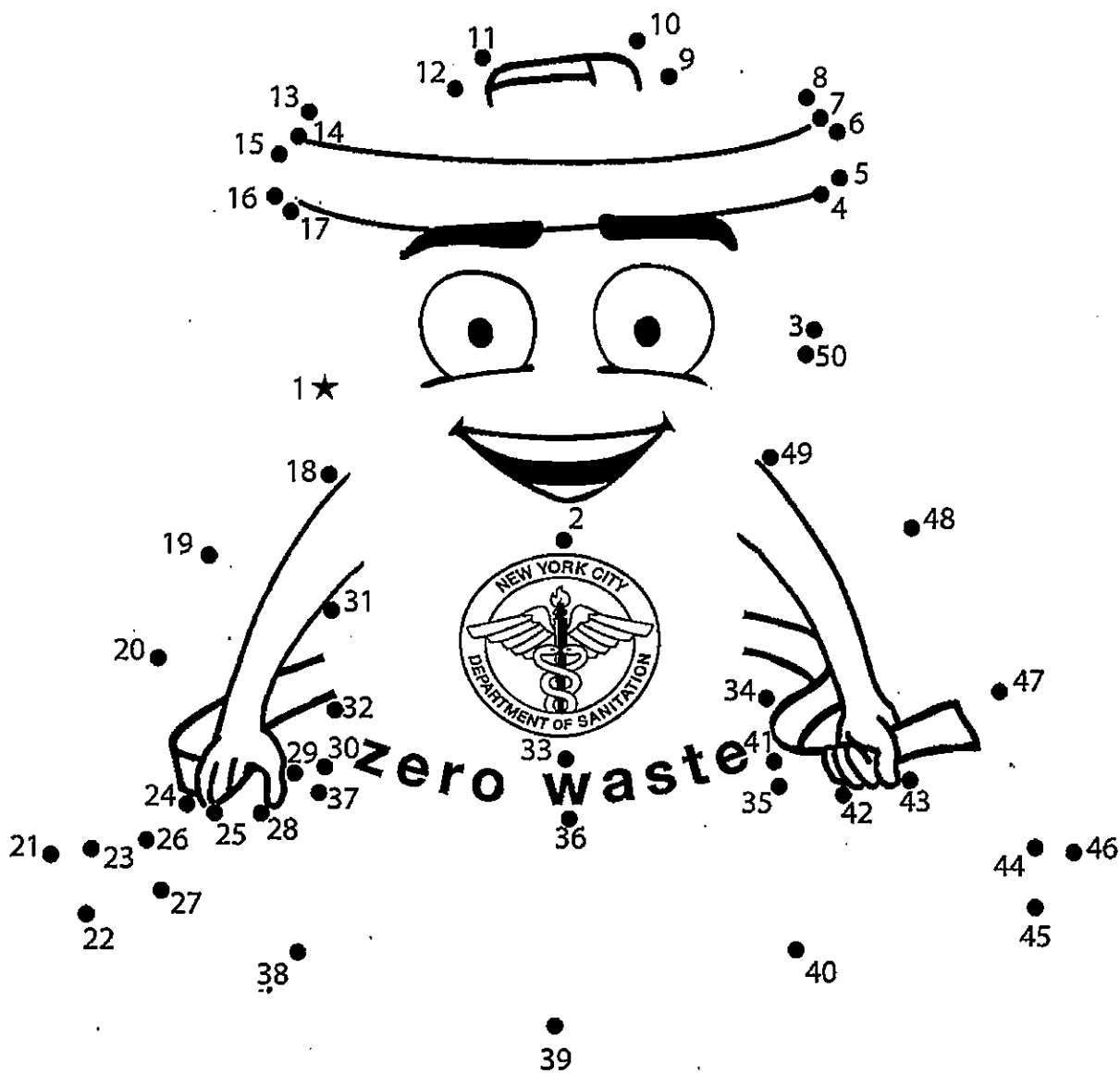
Guess who!

Make your own recycling bin!



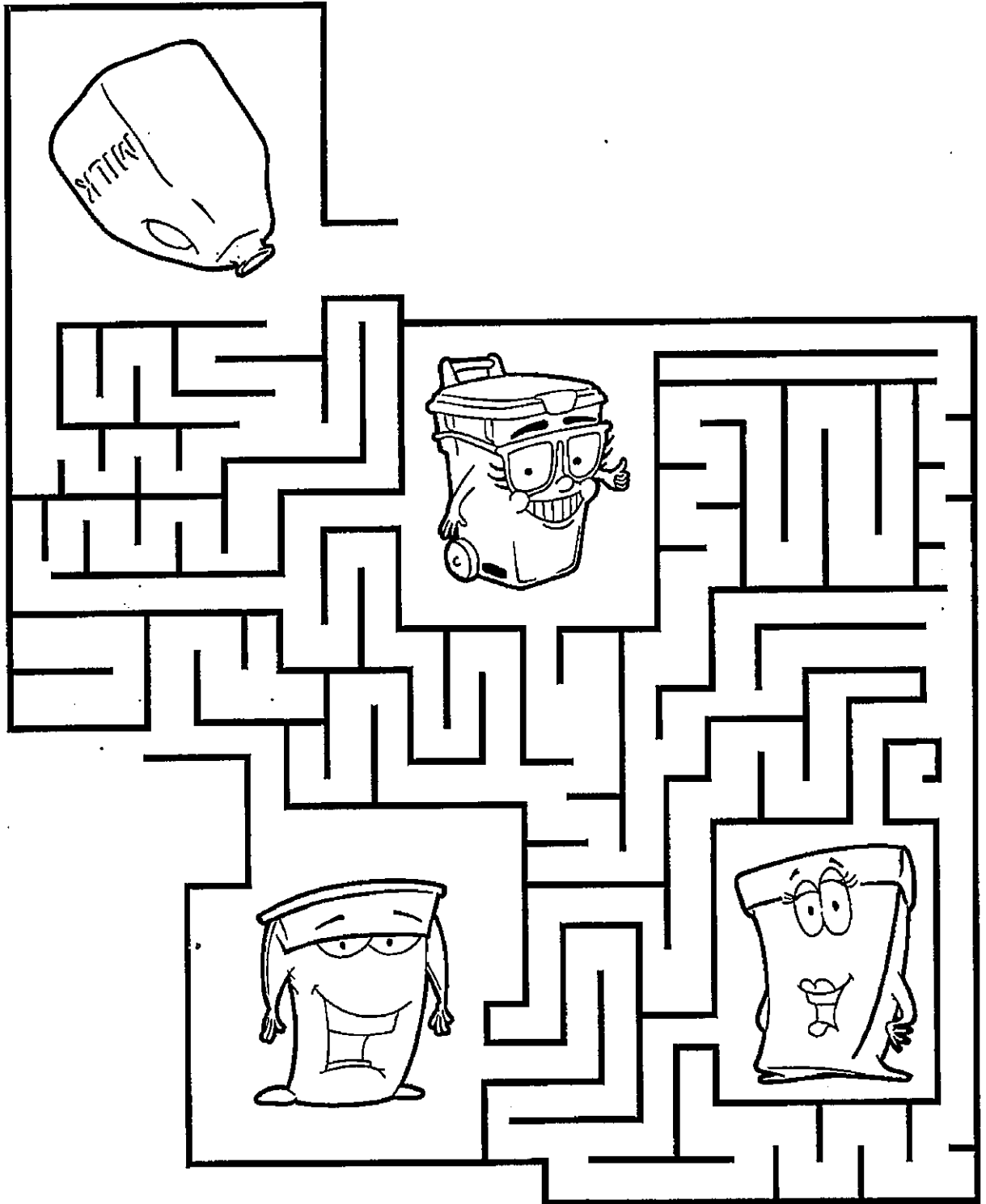
Guess who!

He's a superhero!



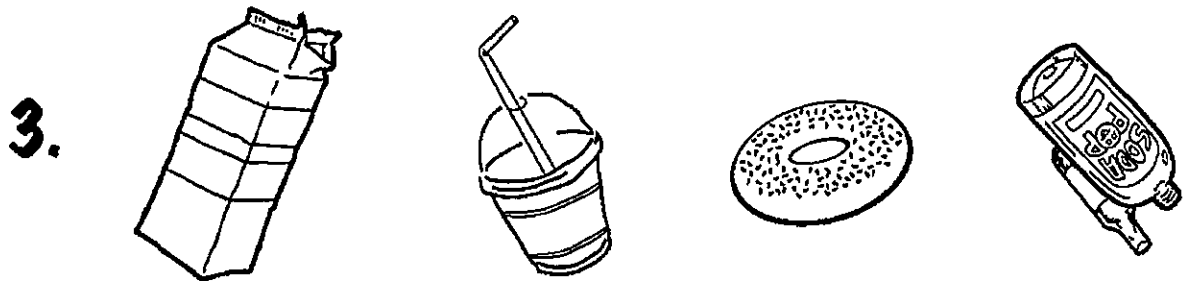
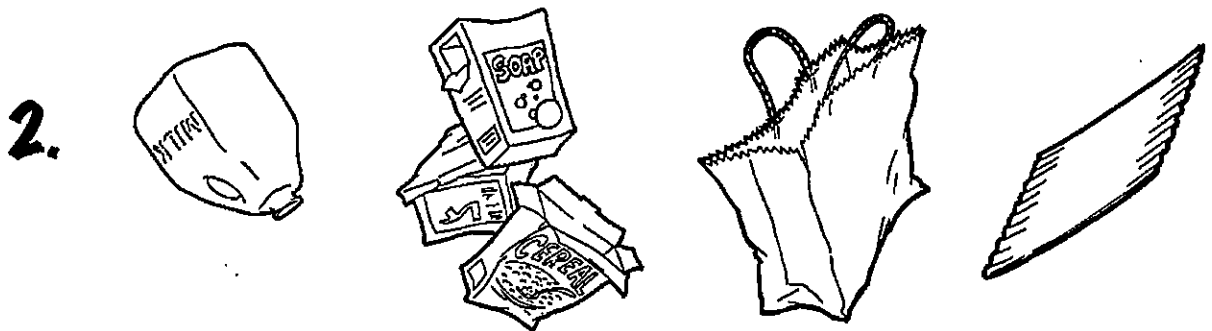
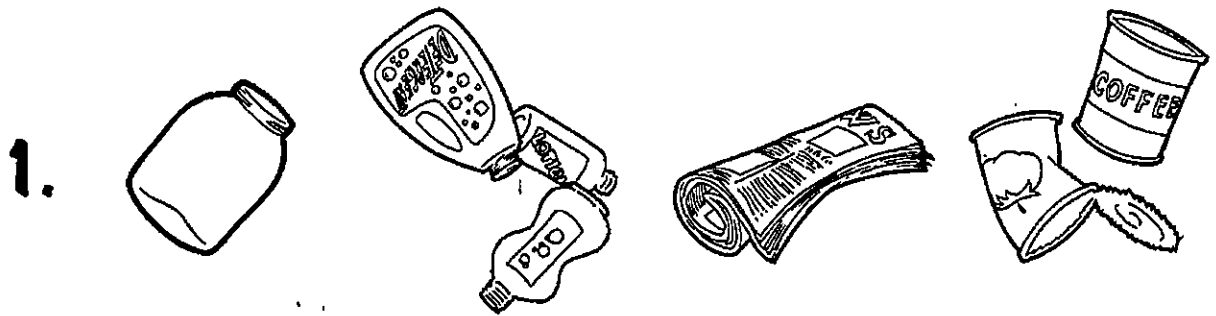
I'm lost!

Help the empty milk container find its way to the right recycling bin.



Which one doesn't belong?

Draw an X over the item that doesn't belong with the others.



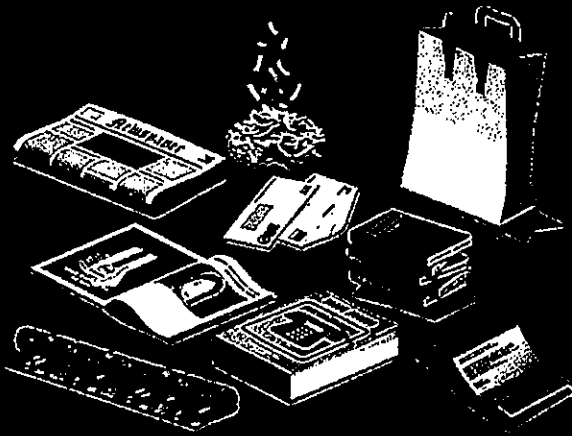
ANSWERS: 1. Newspaper; 2. Milk Container; 3. Bagel; 4. Water Bottle

How To Recycle

Recycling is the law in NYC. Ask your building manager where to bring recyclables.

This sticker pertains to NYC residents, government agencies, schools, and institutions serviced by the Department of Sanitation.

Mixed Paper



Cardboard



No

hardcover books; waxed, soiled, or soft paper

Flatten and bundle or bag boxes. Staples and window envelopes ok. Put in clear bags, in any bin labeled MIXED PAPER & CARDBOARD, or in any bin with green decal.

Metal



Rigid Plastic



Glass

bottles & jars



Cartons



No

batteries, plastic bags, squeeze tubes & pouches, or plastic foam

Empty and rinse containers before recycling. Caps & lids ok. Put in clear bags, in any bin labeled METAL, GLASS, PLASTIC & CARTONS, or in any bin with blue decal.

Certain items can't or shouldn't go in the trash or recycling; see nyc.gov/zerowaste for donations and other disposal options.

nyc.gov/zerowaste
f t i n NYCzerowaste



Cut out and hang up this checklist so everyone in your family knows what to recycle in NYC!

**DSNY
COMICS**

**ISSUE
#1**

WHEN
YOU'RE DONE
WITH THIS
COMIC, PASS
IT ON TO A
FRIEND, OR
RECYCLE
IT!

PRESENTS

TrashMasters!

FOR NYC SCHOOL KIDS: GRADES 2 AND 3

WESTSIDE ELEMENTARY

STUFF

HENRY

NICK

FRANNY

SHIRLEY

2
TERRIFIC
TRASHMASTERS!
STORIES

6
PAGES OF
GREAT GAMES,
AND
ACTIVITIES



Printed on recycled paper, of course.
Save for reference—or recycle it!

06401: Comic Book 1 Grades 2-3 1.16

nyc.gov/zerowaste



NYCzerowaste





Thing and Shirley know that Reducing, Reusing, and Recycling are really great things for our city and our planet!

That's why they want you to get involved in the Golden Apple Awards. It's a cool contest to see which schools can do the best job of spreading the word about recycling and other ways of making less waste and a better world!

It's fun, it's exciting, and your school could win big prizes! So, raise your hand today and tell your teacher that you want to enter the Golden Apple Awards. And be sure to tell your teacher to get more information from the people at the NYC Department of Sanitation.

For more info, visit: nyc.gov/goldenapple

WHEN AN ORDINARY GROUP OF NYC KIDS TURNED THEIR ELEMENTARY SCHOOL, KNOWN FOR ITS WASTEFUL WAYS AND MESS-UP MANNERS, INTO A MODEL CHAMPION OF REDUCING, REUSING, AND RECYCLING (RRR) — THEY BECAME THE ULTRA COOL, AWE-INSPIRING, WARRIORS OF WASTE!

TrashMasters!™

IT'S ONLY BEEN THREE MONTHS SINCE WEST SIDE ELEMENTARY (FORMERLY KNOWN AS WASTE SIDE) WON A GOLDEN APPLE AWARD FOR BEST RRR SCHOOL IN THE CITY, BUT ALREADY SOMETHING'S CHANGED...

CANDY WRAPPERS ON THE STAIRWELL?!

STUFF

RECYCLABLES IN THE TRASH?!

TRASH IN THE RECYCLABLES?!

STACKS OF BARELY USED PAPER IN THE GARBAGE CAN?!

NICK

FRANNY

SHIRLEY

WEST SIDE ELEMENTARY

IN THE THE MYSTERY OF THE GROSS MONSTERS



ONLY A
MONSTER
COULD MAKE
SUCH A BIG
MESS...

DOWN IN SUB-SUB-BASEMENT 3 OF WEST SIDE ELEMENTARY IS THE WORKSHOP OF SCHOOL CUSTODIAN, RUSSELL REGINALD RILEY (A.K.A. RUSTY), WHICH ALSO SERVES AS HEADQUARTERS FOR THE TRASHMASTERS!

...A MESS MONSTER!

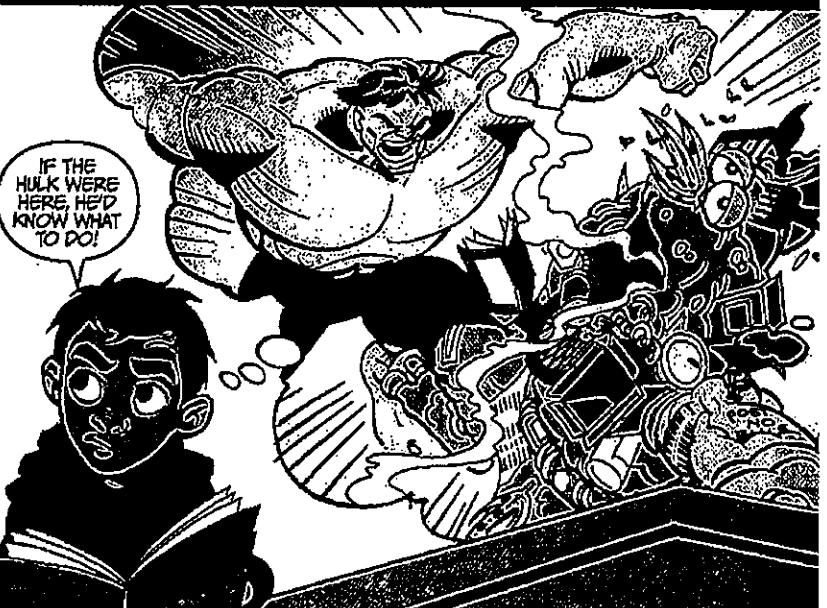
I REALLY DOUBT THERE IS A MONSTER ON THE LOOSE, SHIRLEY.

ONLY A 1ST GRADER WOULD BELIEVE IN A MESS MONSTER!

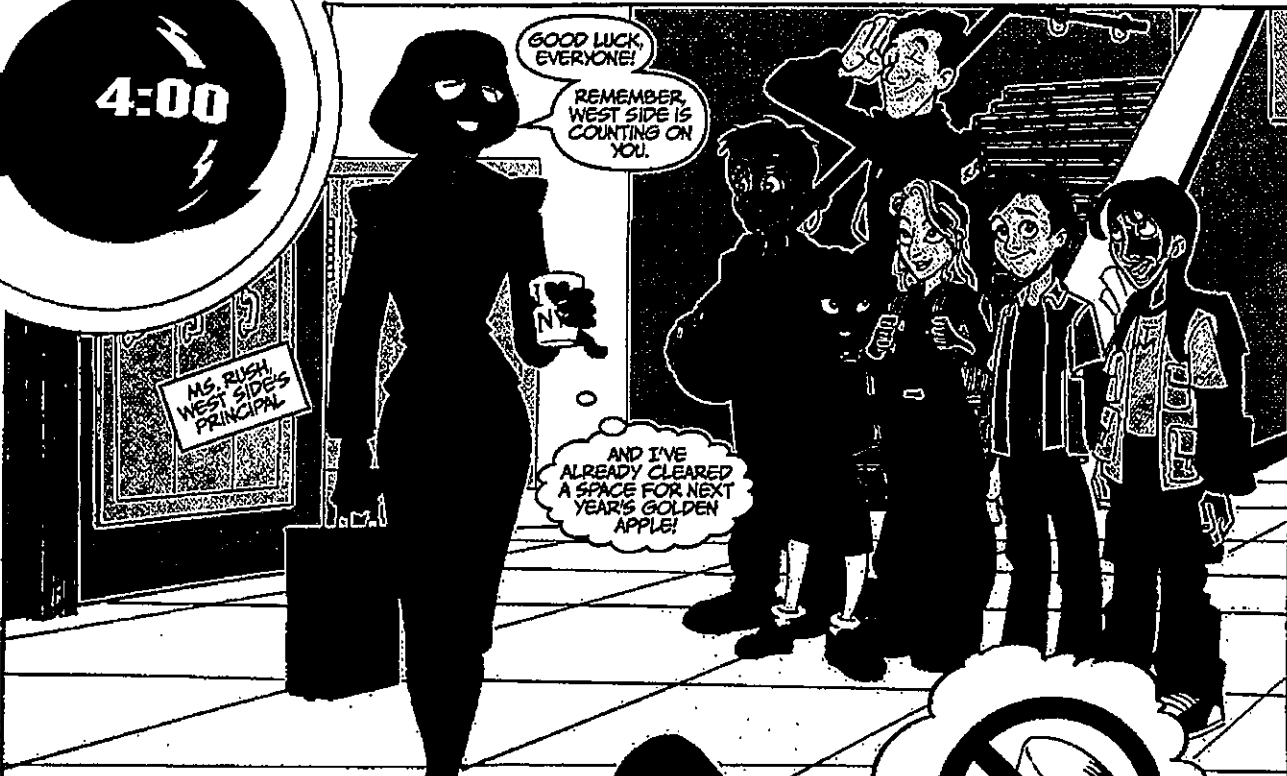
WHATEVER IT IS, IT MUST BE HUGE TO GO THROUGH SO MANY CANDY WRAPPERS!

AND REALLY EVIL TO WASTE SO MUCH PAPER!

IF THE HULK WERE HERE, HE'D KNOW WHAT TO DO!







GOOD LUCK, EVERYONE!
REMEMBER, WEST SIDE IS COUNTING ON YOU.

AND I'VE ALREADY CLEARED A SPACE FOR NEXT YEAR'S GOLDEN APPLE!

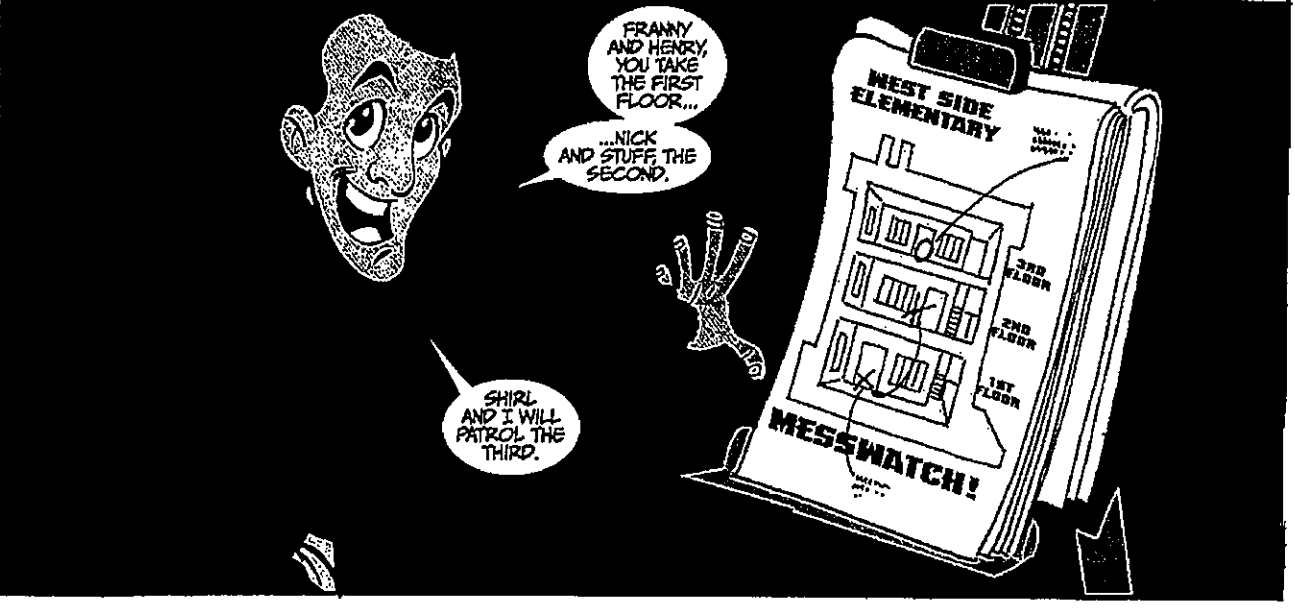
MS. RUSH,
WEST SIDE'S
PRINCIPAL



PAPER
CUPS =
WASTE!



TRAN



FRANNY
AND HENRY,
YOU TAKE
THE FIRST
FLOOR...

...NICK
AND STUFF
THE
SECOND.

SHIRL
AND I WILL
PATROL
THE
THIRD.

WEST SIDE
ELEMENTARY

3RD
FLOOR
2ND
FLOOR
1ST
FLOOR

MESSWATCH!

THESE HALLWAYS ARE KIND OF SPOOKY WHEN NO ONE'S AROUND.

DON'T WORRY, SHIRL...

...I'LL HALLWAYS BE RIGHT BESIDE YOU! HAI! HAI! HAI!

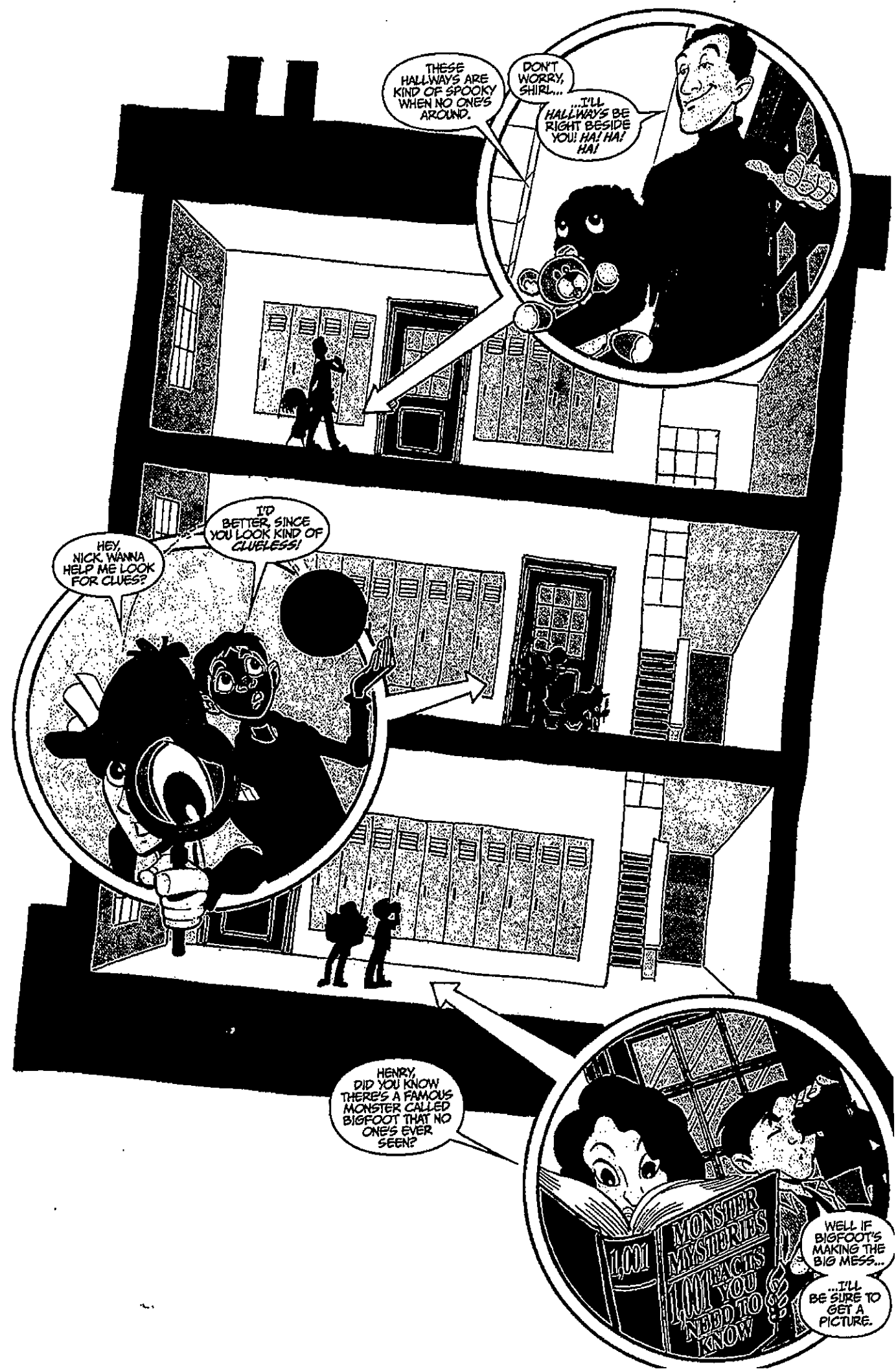
HEY, NICK, WANNA HELP ME LOOK FOR CLUES?

I'D BETTER, SINCE YOU LOOK KIND OF CLUELESS!

HENRY, DID YOU KNOW THERE'S A FAMOUS MONSTER CALLED BIGFOOT THAT NO ONE'S EVER SEEN?

WELL IF BIGFOOT'S MAKING THE BIG MESS...

...I'LL BE SURE TO GET A PICTURE.





WHUMP!
WHUMP!
WHUMP!

SSSSHHH!
HEAR THAT?

THE
MESS MONSTER!!!



WHUMP!

AND IT'S
UPSTAIRS...

WITH
STUFF AND
NICK!!!

WHUMP!

WHUMP!

WHUMP



LET'S
GO!



CUTS
TO THE
RIGHT...

WHUMP!

...TO THE
LEFT...

WHUMP!

...BETWEEN
HIS LEGS...

WHUMP

...BOY
THIS KID CAN
BRING IT!

S
M
O
M
P!



NICK!

UH,
WHO WERE YOU
EXPECTING?

SHAQUILLE
O'NEAL?

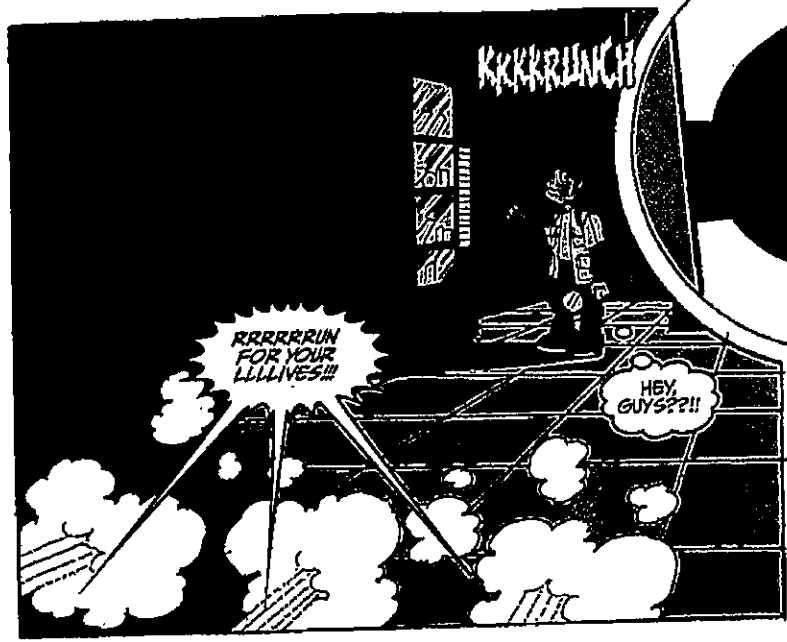
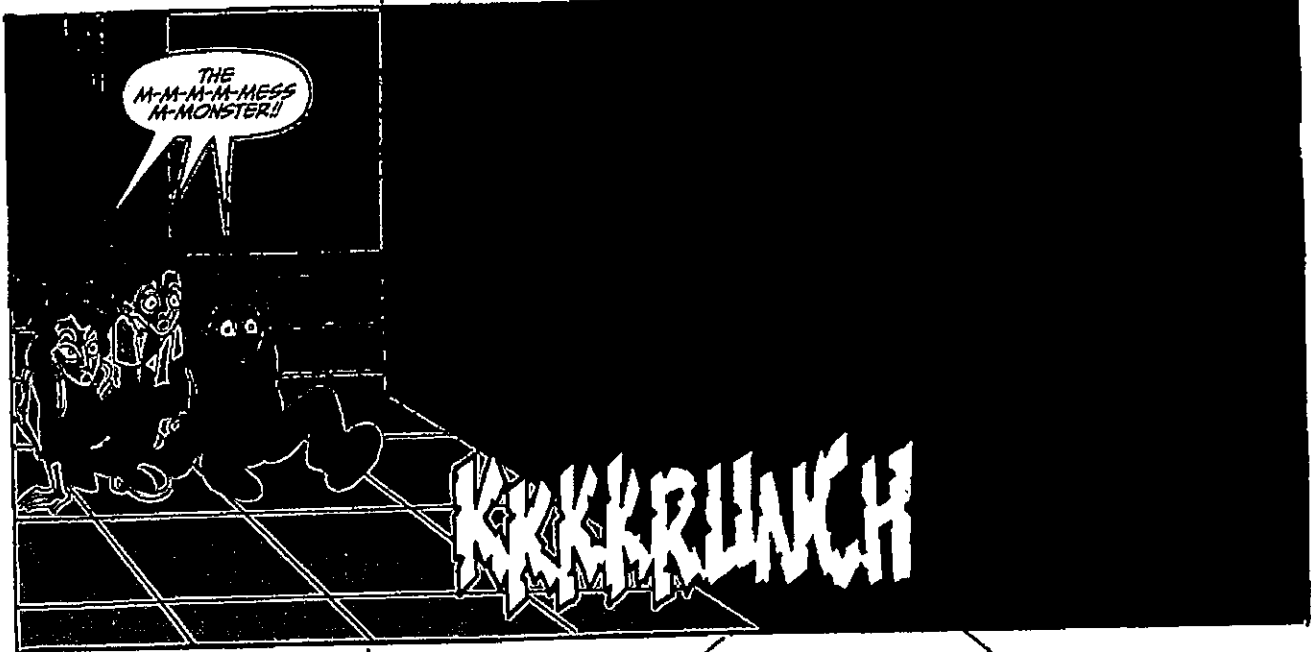
WHUMP!

WHUMP!

AND JUST WHEN THEY
THOUGHT IT WAS SAFE...

KA-BOOM!







STUFF?

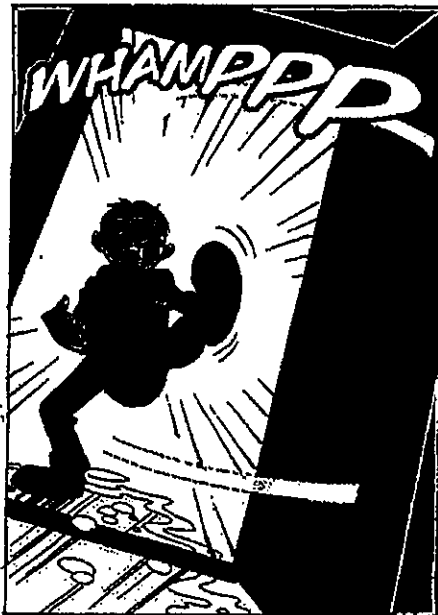


SHWWWIISSSHHH!!!

UH OH!



I'VE GOTTA SAVE STUFF!



WHAMPP

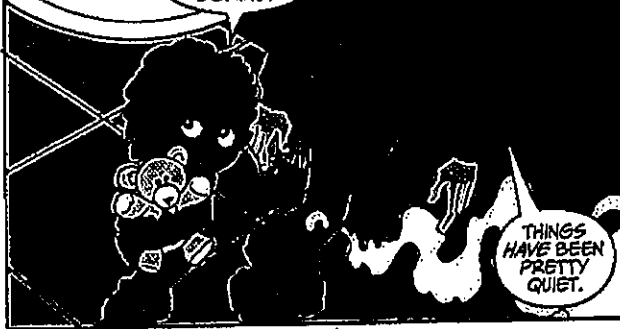
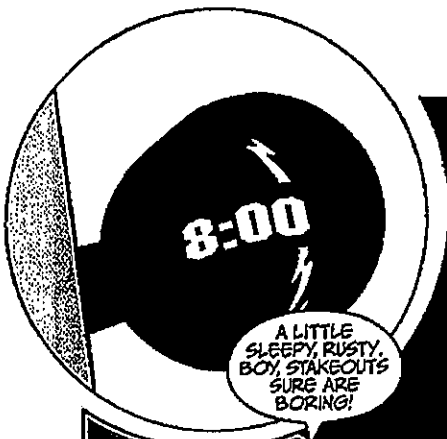


SPLOOSH!



HEY, NICK, AM I GLAD TO SEE YOU!

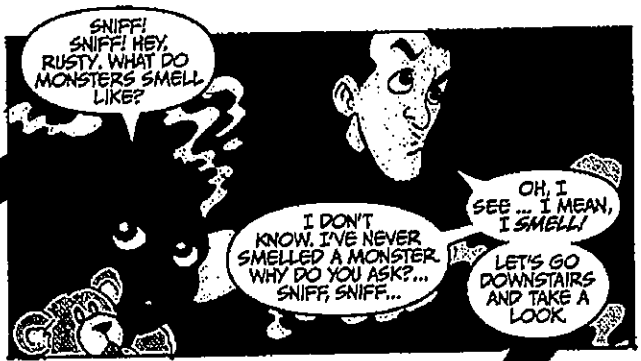
I DROPPED MY MAGNIFYING GLASS BY MISTAKE.



A LITTLE SLEEPY, RUSTY. BOY, STAKEOUTS SURE ARE BORING!

HOW YOU DOING, SHIRL?

THINGS HAVE BEEN PRETTY QUIET.



SNIFF! SNIFF! HEY, RUSTY. WHAT DO MONSTERS SMELL LIKE?

I DON'T KNOW. I'VE NEVER SMELLED A MONSTER. WHY DO YOU ASK?... SNIFF, SNIFF...

OH, I SEE... I MEAN, I SMELL!

LET'S GO DOWNSTAIRS AND TAKE A LOOK.



MEANWHILE...

UGH! I THINK BIG FOOT SHOWED UP AND TOOK HIS SOCKS OFF!

THE BOOK DIDN'T MENTION ANYTHING ABOUT A BIG SMELL.



AAAAHHHH!!!



ANYTHING WRONG?



NICK!

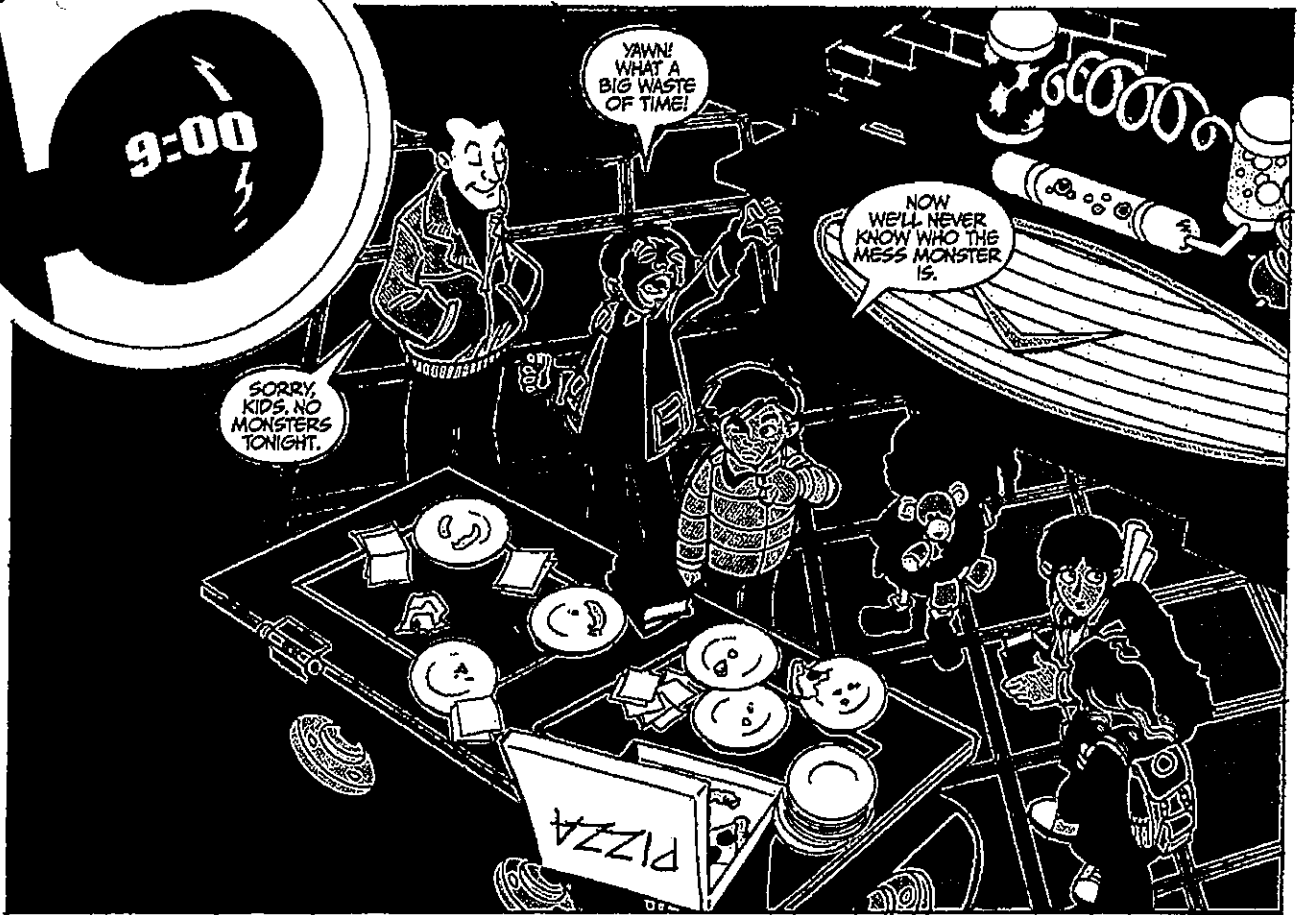
SNIFF! BUT WHAT'S THAT AWFUL SMELL?



LOOK! I FOUND MY BANANA!

THE ONE I LOST IN KINDERGARTEN!

ANYONE WANT A BITE?



YAWN!
WHAT A
BIG WASTE
OF TIME!

NOW
WE'LL NEVER
KNOW WHO THE
MESS MONSTER
IS.

SORRY,
KIDS. NO
MONSTERS
TONIGHT.



STUFF!
DON'T
THROW YOUR
MILK CARTON IN
THE GARBAGE! IT'S
RECYCLABLE!

OH,
RIGHT,
SORRY.

GUESS
I'M JUST
TIRED.

TRASH



LOOKS
LIKE YOU'RE
REALLY NOT
THE ONLY
ONE.

DID WE
REALLY MAKE
ALL THAT
MESS?

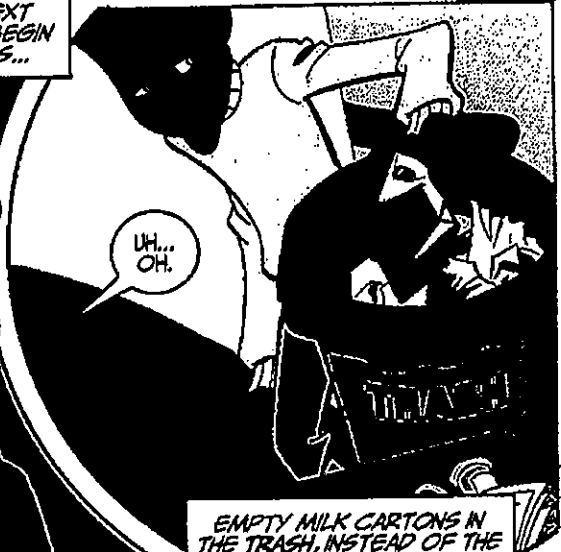
LOOKS
LIKE WE FOUND
OUR MONSTER,
AFTER ALL.



BACK AT SCHOOL THE NEXT DAY, THE TRASHMASTERS! BEGIN TO NOTICE LITTLE THINGS...



THE TEACHER WHO'S NOT RECYCLING PAPER IN HIS CLASS!



UH... OH.

EMPTY MILK CARTONS IN THE TRASH, INSTEAD OF THE BLUE RECYCLING BIN!

LOOKS LIKE WE'VE ALL FORGOTTEN OUR RRRS!



WASTE SIDE, HERE WE COME?!

FOOD THROWN IN WITH THE PAPER RECYCLABLES.



OH, NO!

NOT WITH THE TRASHMASTERS! AROUND!

MS. RUSH, USING PAPER CUPS INSTEAD OF HER MUG.



WEST SIDE ELEMENTARY NEWSLETTER

WEST SIDE RRRETURNS! "WASTE SIDE" GONE FOR GOOD?

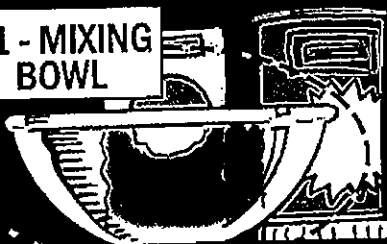


WRITERS: DOUG BERNSTEIN AND VIVIAN TRAKINSKI PENCILER: LEE MODER
INKER: JOSÉ MARZAN LETTERER: SHARPEFONT
COLORS: DIGITAL CHAMELEON ADDITIONAL ART: SCOTT ELMER

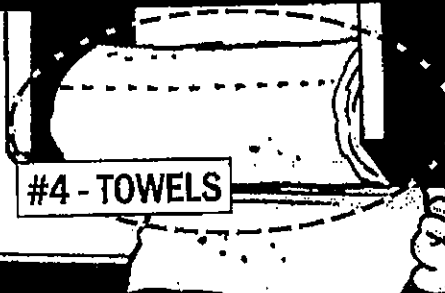
ALUMINUM AL'S FAMILY REUNION

HELP AL ROUND UP ALL HIS RELATIVES FOR A PARTY, BY SEARCHING THIS PICTURE AND CIRCLING THE 6 ITEMS YOU FIND THAT ARE MADE OF ALUMINUM.

#1 - MIXING BOWL



#4 - TOWELS



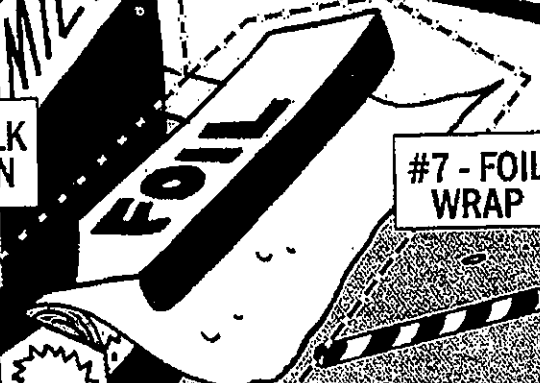
#9 - FOIL DISH



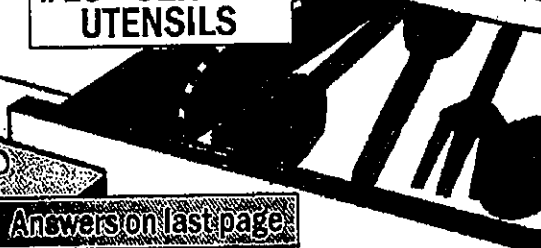
#2 - MILK CARTON



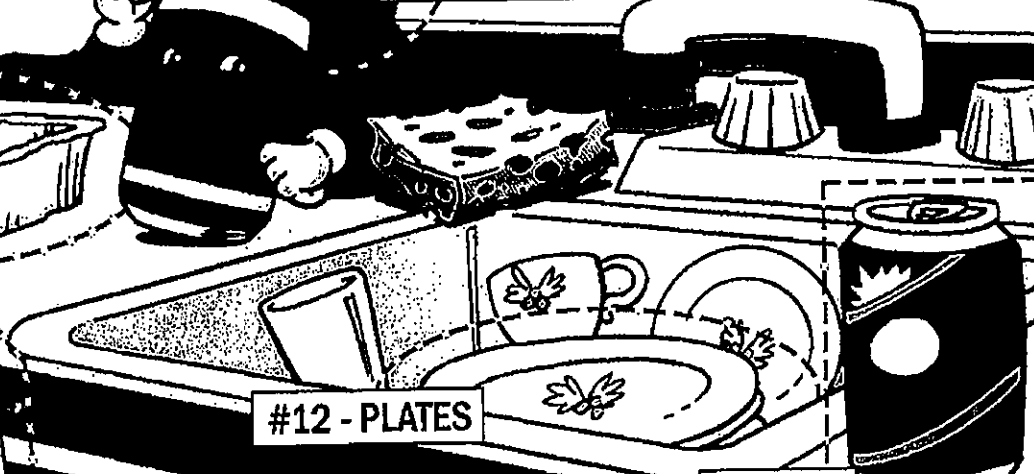
#7 - FOIL WRAP



#10 - SERVING UTENSILS



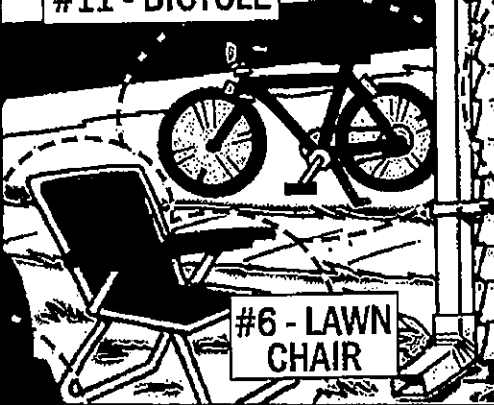
#12 - PLATES



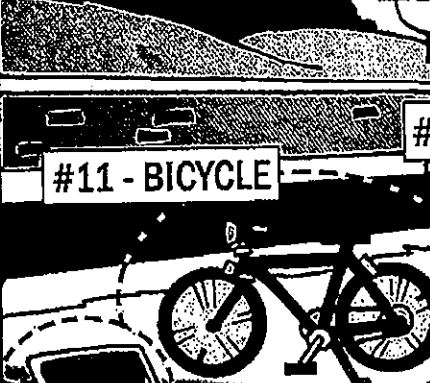
#5 - POTTERY



#6 - LAWN CHAIR



#11 - BICYCLE



#8 - SIDING



Answers on last page.

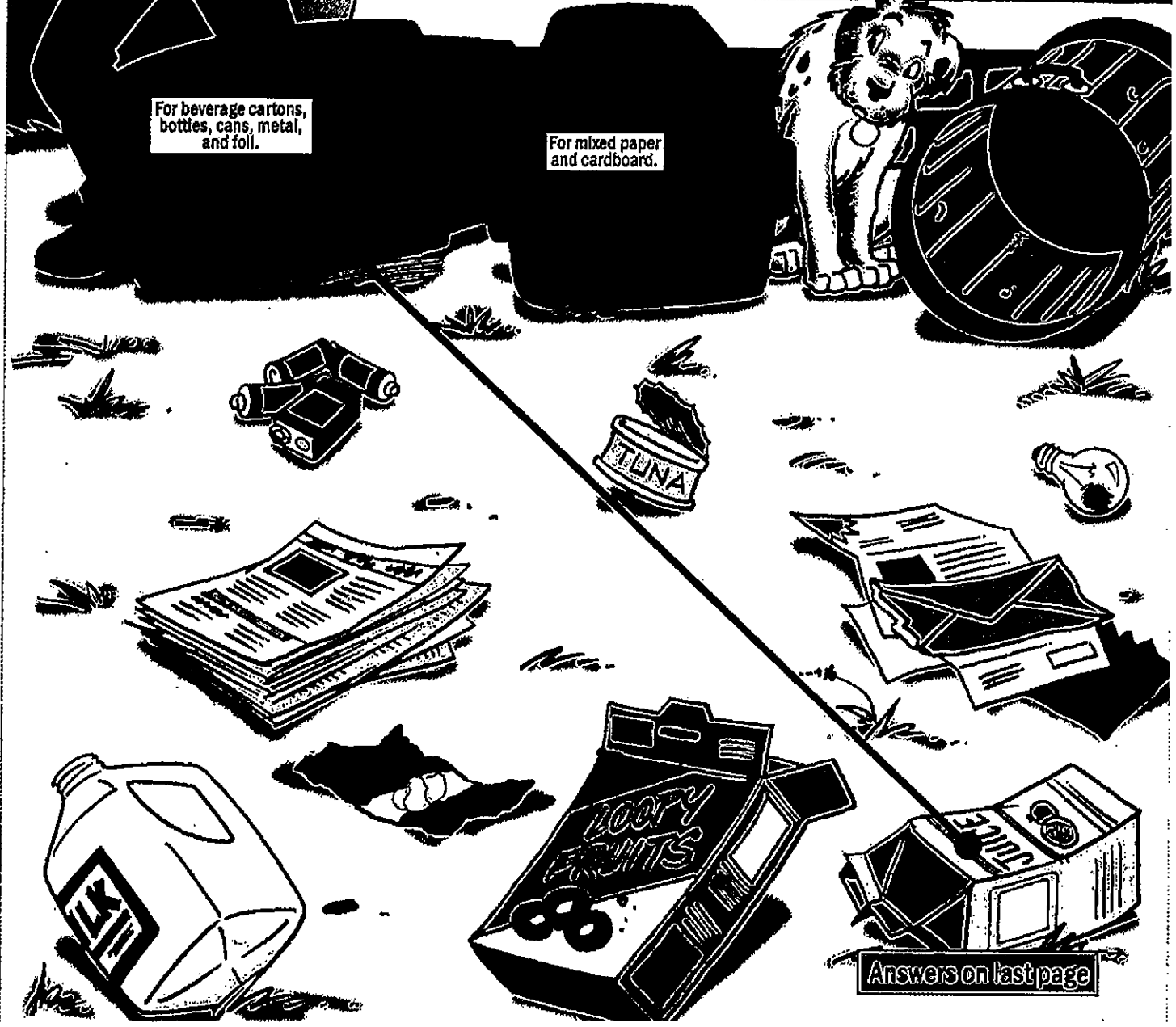
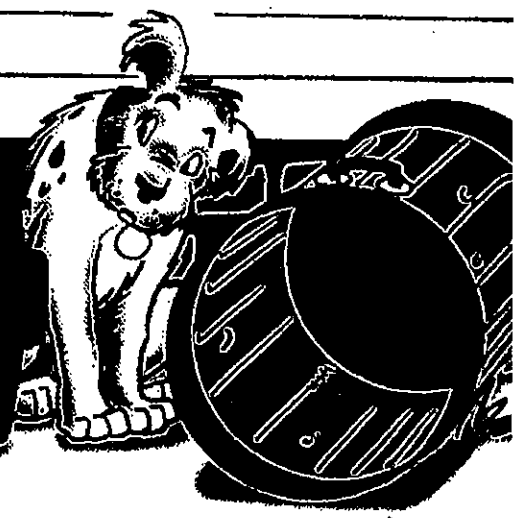
COME TO THE DOGS

OH-OH! NICK'S DOG RRROVER HAS GOTTEN INTO THE TRASH AGAIN! WHAT A MESS! THE GARBAGE AND THE RECYCLABLES ARE ALL MIXED UP. HELP NICK SORT THINGS OUT BY DRAWING A LINE FROM EACH ITEM ON THE GROUND TO ITS PROPER BIN-- EITHER THE BLUE RECYCLING BIN, THE GREEN RECYCLING BIN, OR THE TRASH (NON-RECYCLABLES) CAN.



For beverage cartons, bottles, cans, metal, and foil.

For mixed paper and cardboard.



Answers on last page

DON'T MESS WITH ME!

HAVE FUN COLORING IN THE TRASHMASTERS!

HANG THIS PULLOUT POSTER IN YOUR ROOM, AND YOU'LL BE A TRASHMASTER, TOO!



FRANNY!



HENRY!



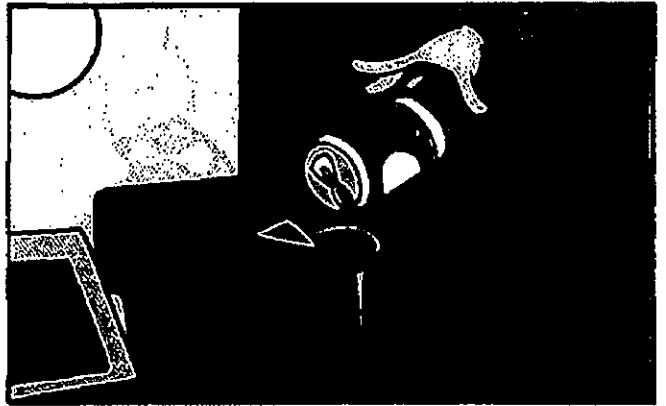
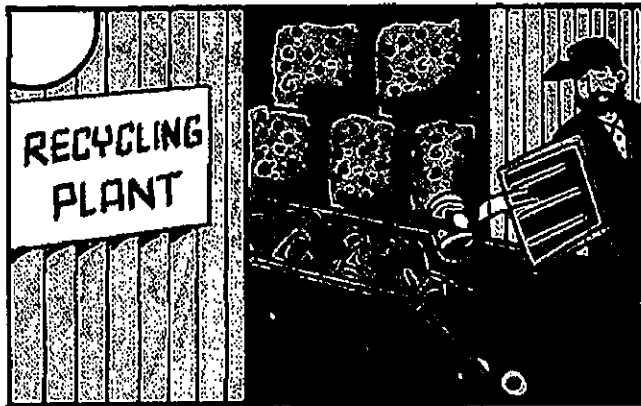
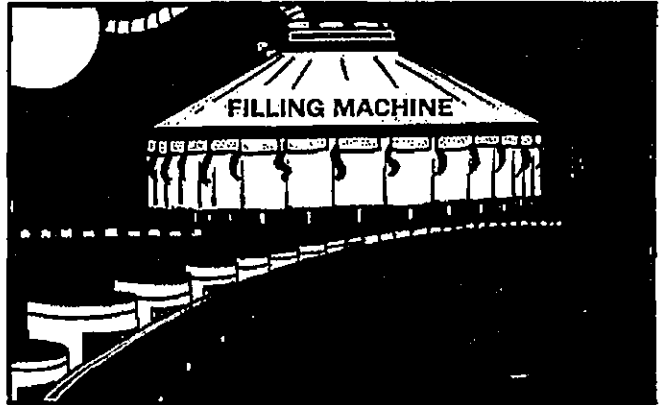
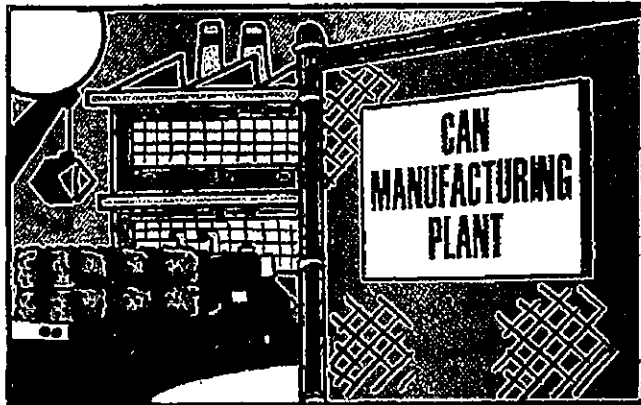
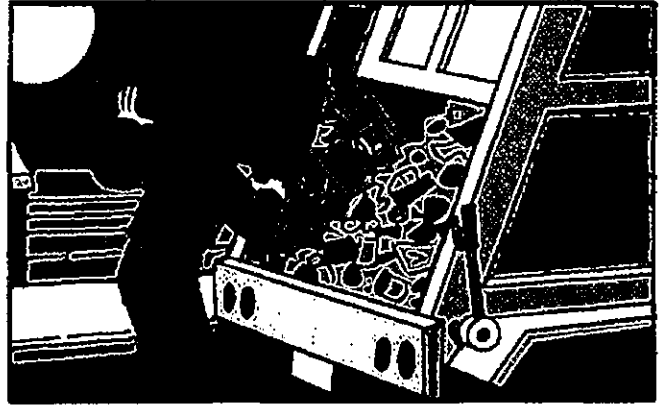
STUFF!

I'M A ~~TRUCK DRIVER~~ TM



From Start to Finish!

SOME OF THESE PICTURES ARE OUT OF ORDER. CAN YOU HELP THIS BEVERAGE CAN GO THROUGH THE WHOLE RECYCLING PROCESS BY PUTTING ALL THE PICTURES IN THE CORRECT ORDER? THE FIRST AND LAST PICTURES IN THE SERIES (#1 AND #8) HAVE BEEN PUT IN PLACE FOR YOU. USING THE LIST AT THE BOTTOM OF THE PAGE, NUMBER THE REMAINING PICTURES TO SHOW WHAT HAPPENS SECOND, THIRD, FOURTH, AND SO ON.

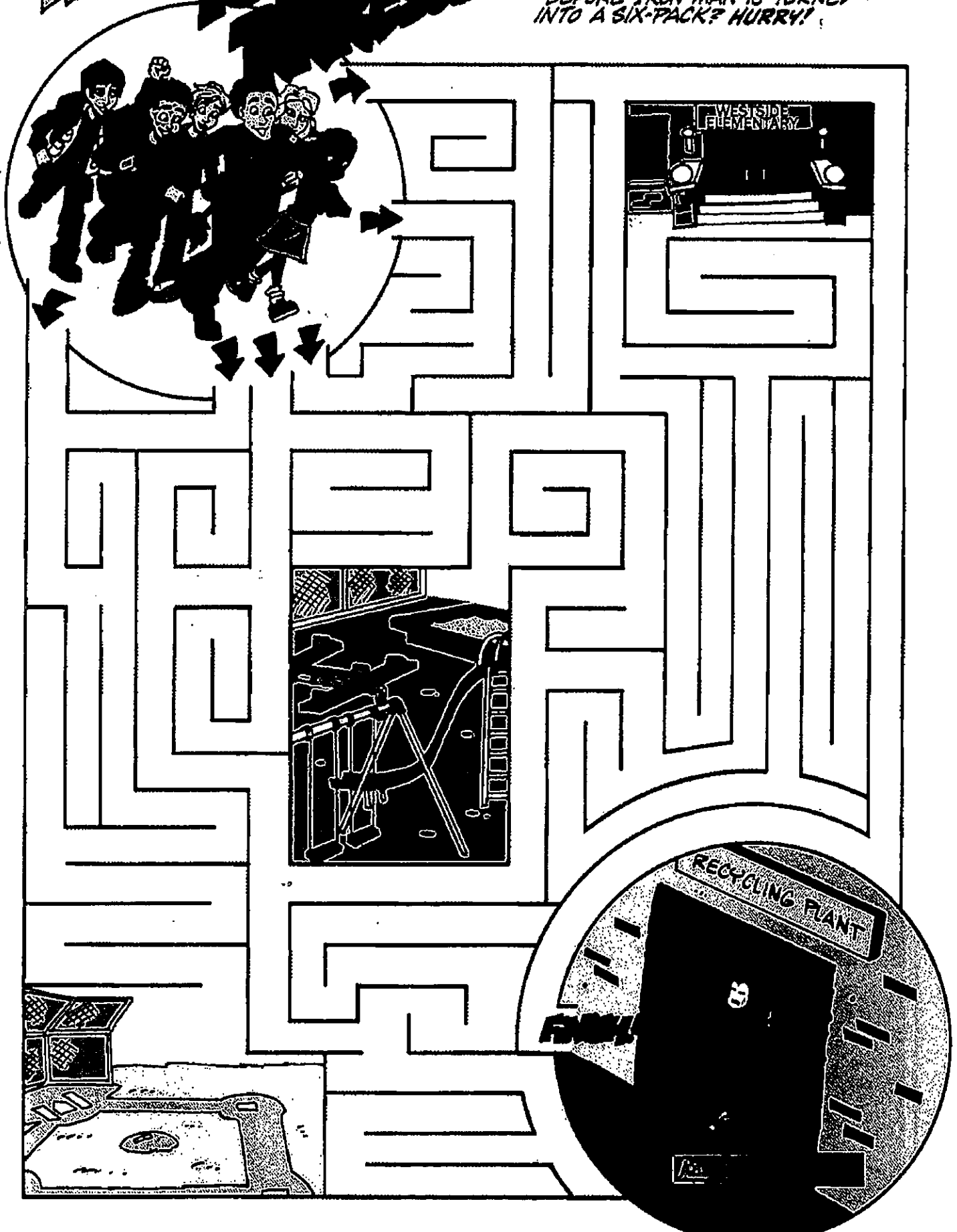


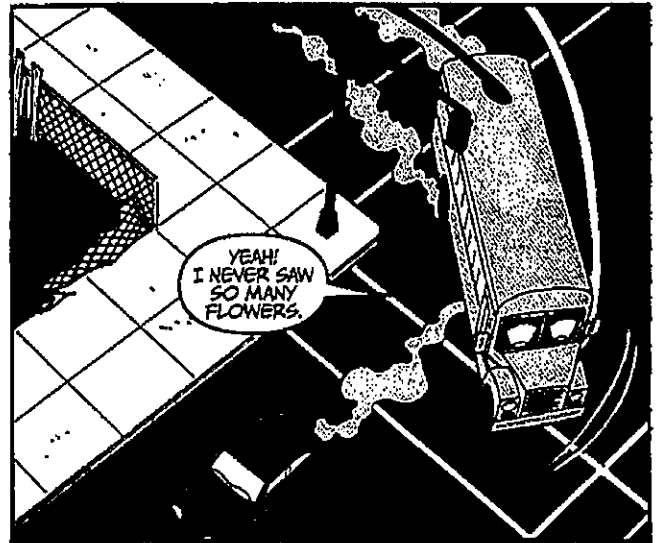
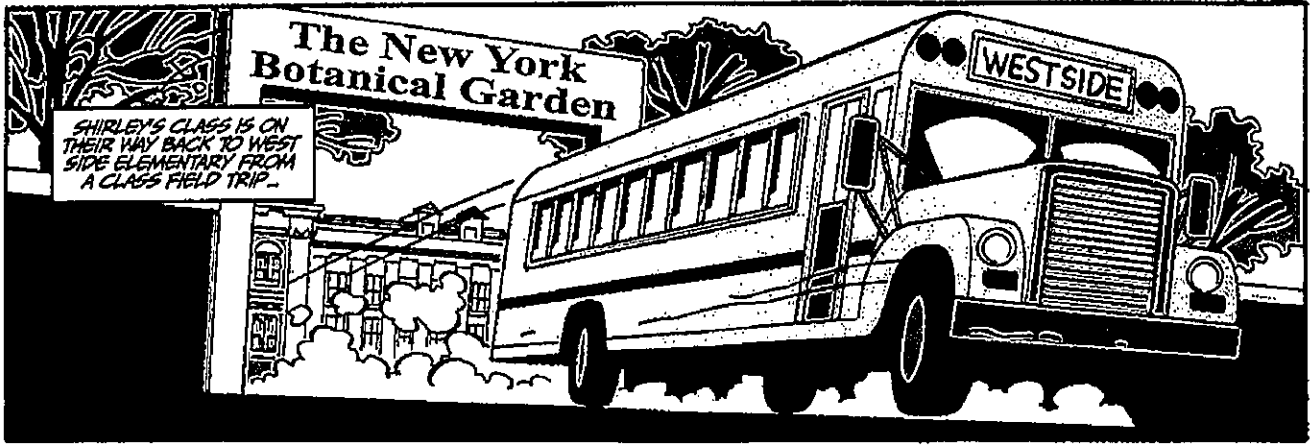
- 2) DRINKING THE BEVERAGE AT HOME.
- 3) PLACE EMPTY CAN INTO A BLUE RECYCLING BIN.
- 4) THE DEPARTMENT OF SANITATION COLLECTS RECYCLABLES.

- 5) THE EMPTY CAN IS BROUGHT TO A RECYCLING PLANT.
- 6) CRUSHED ALUMINUM GOES TO A CAN MANUFACTURING PLANT.
- 7) BEVERAGES ARE PUT IN NEW ALUMINUM CANS

TRASHMASTERS! TO THE RESCUE!

HELP! IRON MAN IS TRAPPED INSIDE A RECYCLING PLANT! TO MAKE MATTERS WORSE, THE TRASHPORTER IS BROKEN! IRON MAN NEEDS YOUR HELP. CAN YOU GUIDE THE TRASHMASTERS! THROUGH THIS MAZE AND GET THEM TO THE RECYCLING PLANT BEFORE IRON MAN IS TURNED INTO A SIX-PACK? HURRY!





TrashMasters!TM IN THANKS A LOT!

NEXT DAY IN
RUSTY'S WORKSHOP...

... AND SO I
THINK WE SHOULD
FILL THAT YUCKY LOT
WITH SOMETHING NICE
LIKE A GARDEN.

OR A
PLAY-
GROUND.

OR
BOTH!

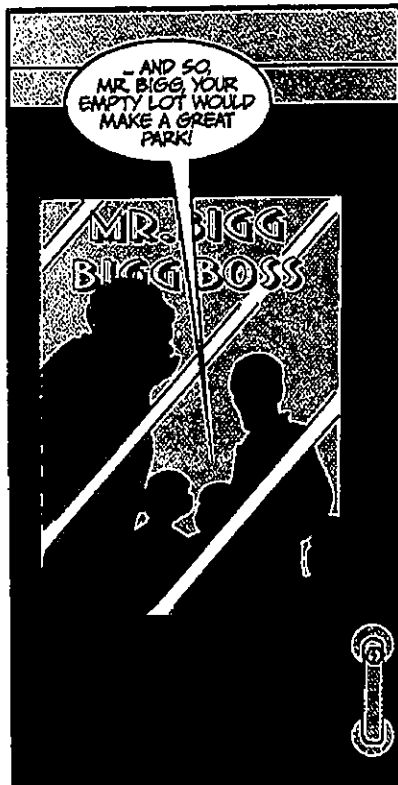
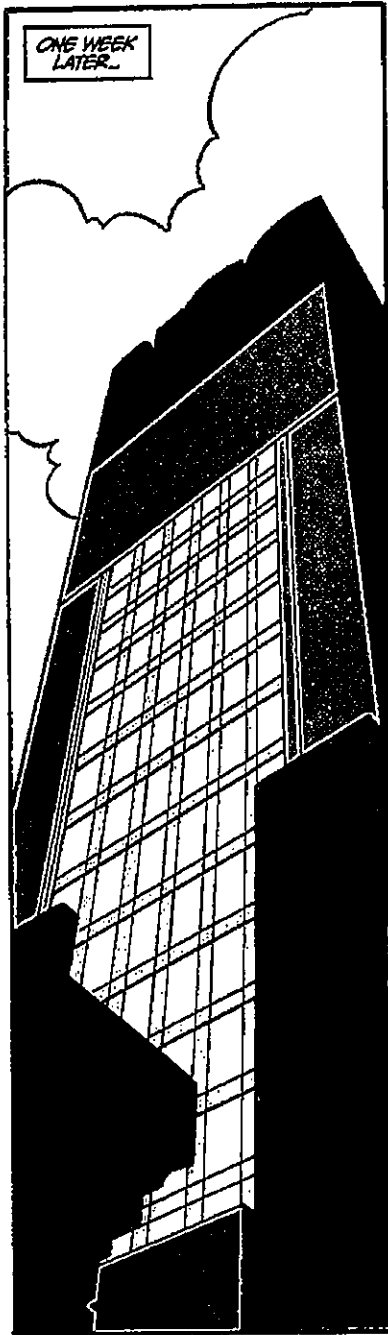
HEY,
SAM,
WHO
OWNS
THE
LOT?

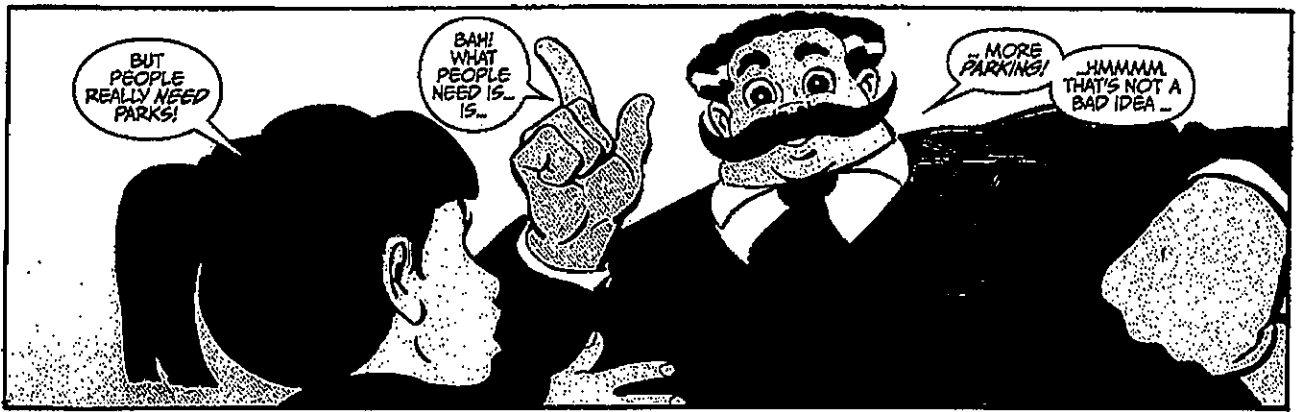
MAYBE
WE COULD
FIND OUT
ON THE
INTERNET.

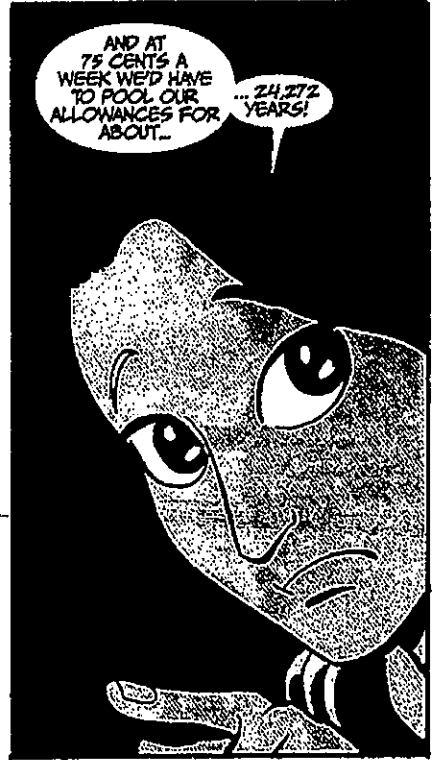
GOOD IDEA,
FRANNY.

AND IF
WE FIND THE
OWNER, I'LL
TRY TO SET
UP A
MEETING.



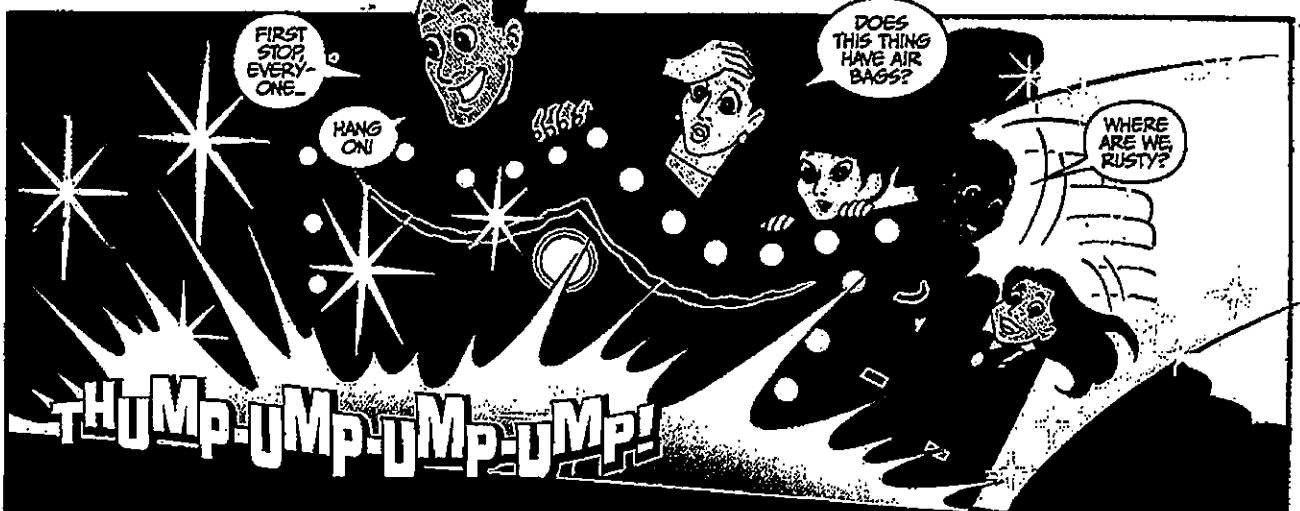


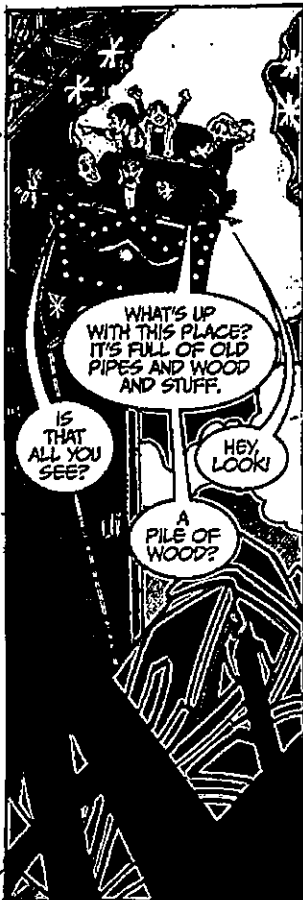


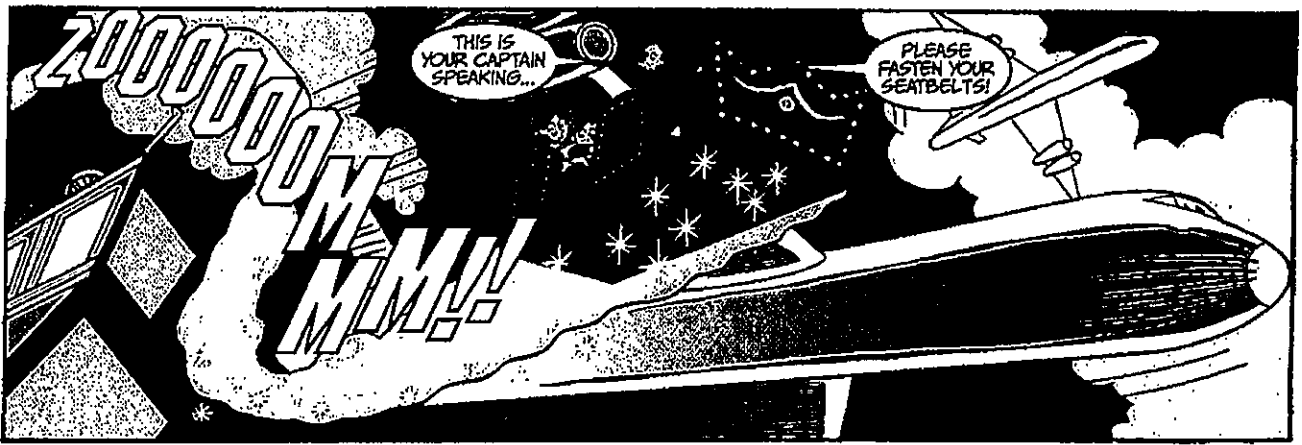




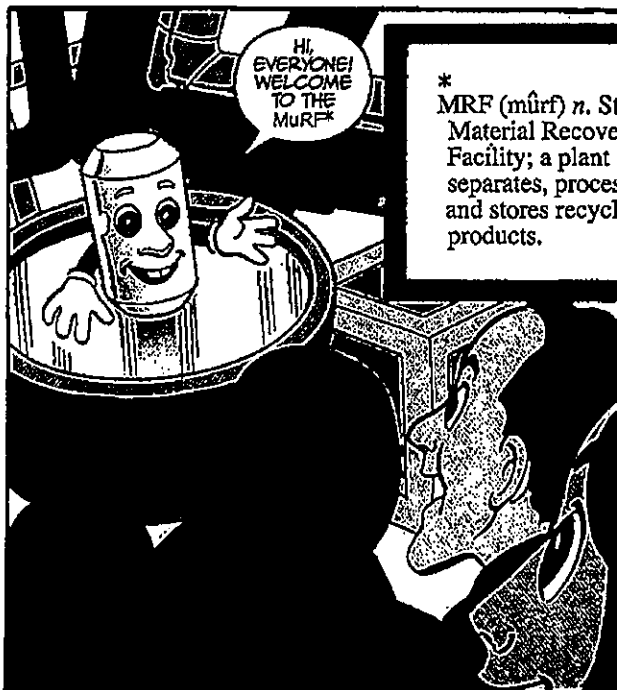
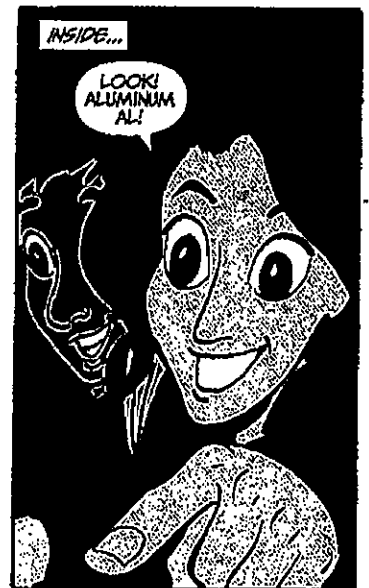
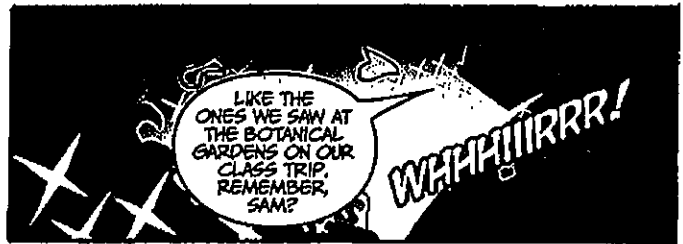
trashporter (trăsh-pôr'-tər)
n. A means of transport to any RRR-related locale. Invented by R.R. Riley, circa 1998.







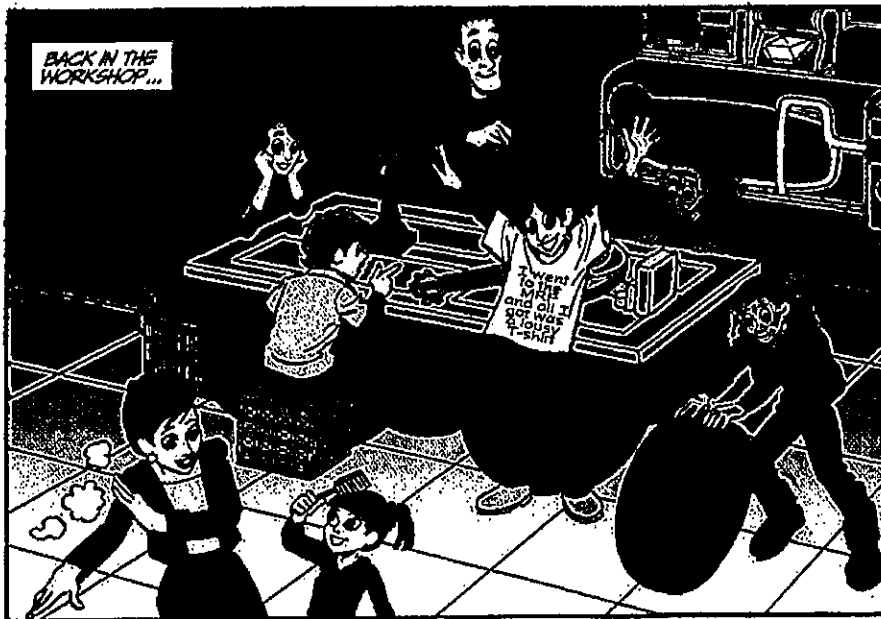
*NEW YORK CITY DEPARTMENT OF SANITATION COMPOST SITE



* MRF (múrf) n. Stands for Material Recovery Facility; a plant that separates, processes, and stores recyclable products.



*VISIT THE SIMS MUNICIPAL RECYCLING EDUCATION CENTER TO SEE NYC'S MRF IN ACTION!







SIX MONTHS
LATER...

our
paRRRK

WHEEEE!
LOOK AT ME! I'M A
TRASHMASTER!



WRITERS: DOUG BERNSTEIN AND VIVIAN TRAKINSKI PENCILER: ALEX SAVIUK
INKERS: BOB MCLEOD LETTERER: SHARPEFONT
COLORS: DIGITAL CHAMELEON ADDITIONAL ART BY SCOTT ELMER

Trash Masters!

ANSWERS

Aluminum Al's Family Reunion

These items are aluminum and should be circled:

- 3. CAN
- 6. LAWN CHAIR
- 7. FOIL WRAP
- 8. SIDING
- 9. FOIL DISH
- 11. BICYCLE

These items are not aluminum:

- 1. MIXING BOWL (Glass)
- 2. MILK CARTON (Paper & Plastic)
- 4. TOWELS (Paper)
- 5. POTTERY (Clay)
- 10. SERVING UTENSILS (Wood)
- 12. PLATES (Ceramic or Glass)

Gone to the Dogs

Blue bin

- Empty Plastic Milk Jug
- Empty Juice Carton
- Empty Tuna Can

Green bin

- Newspapers
- Junk Mail
- Cereal Boxes

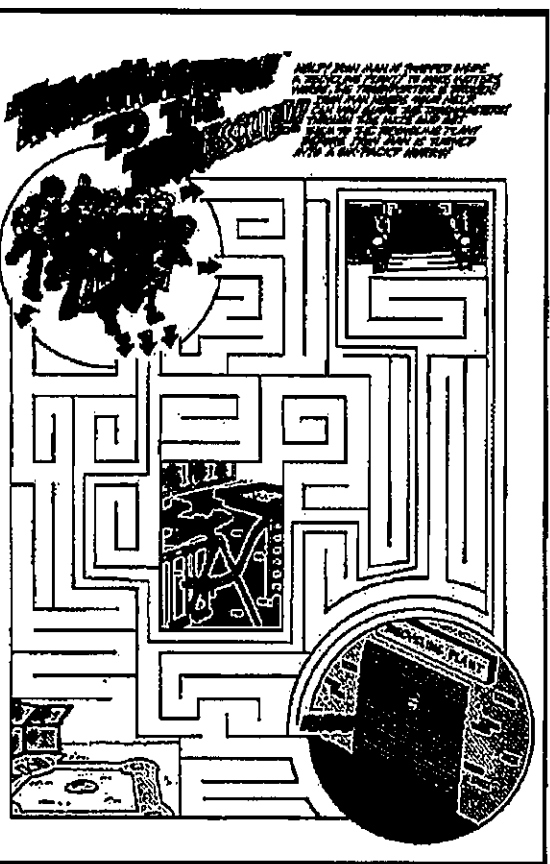
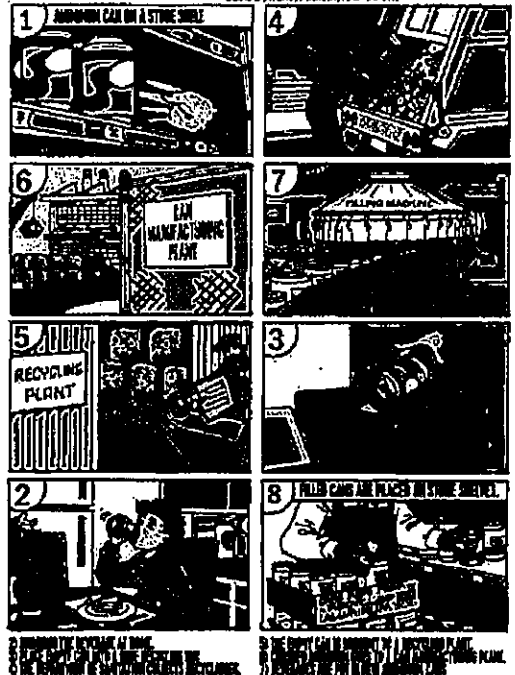
Trash

- Light Bulb
- Chip Bag
- Alkaline Batteries



From Start to Finish!

Some of these pictures are out of order. Can you put them in the correct order? The pictures are numbered 1 through 8. Write the correct number in the space provided. You may use a pencil to write your answers. Remember to check your work carefully and to do it all!



the golden apple awards

TEAMUP TO CLEANUP

HEY, STORM, THAT'S ONE WAY TO CLEAN THINGS UP. BUT HOW CAN KIDS HELP?

BY CHECKING OUT THE TEAM UP TO CLEANUP CONTEST, STUFF.

Storm, Stuff, Wolverine, and Franny are doing their part to make things clean and beautiful. How about you?

Here's a great way: Get your school involved in Team Up to Clean Up. It's all about finding fun ways to clean up your school, your neighborhood, or your city, and make it look terrific! The schools that come up with the best ideas, where everybody works together, will not only make their communities better places to live, but could win big prizes too!

Cleaning up makes people smile. So, raise your hand today and tell your teacher that you want to enter the Team Up to Clean Up contest. And be sure to tell your teacher to get more information from the people at the NYC Department of Sanitation.

For more info, visit: nyc.gov/goldenapple

The NYC K-12 School RRResource Guide:

An exciting way for kids to learn about
Reducing, Reusing, and Recycling!

Ask your teachers about it!

YOU
DON'T HAVE TO BE
A SUPER HERO TO BE
A TRASHMASTER! BUT
EVERY TRASHMASTER
IS A HERO!

Want to learn more about how to clean up our city and your planet? Of course you do!

So, tell your teacher to get the free NYC K-12 School RRResource Guide from the people at the NYC Department of Sanitation! It's full of cool stuff that will help you and your teacher learn about exciting things like recycling, and reducing the waste we all create. And, it will give you great ideas for fun projects and things you can do to be a TrashMaster, too!

For more info, visit:
nyc.gov/zerowaste

**DSNY
COMICS**

ISSUE

#2

PRESENTS

TrashMasters!™

FOR NYC SCHOOL KIDS: GRADES 4 TO 6

WHEN YOU'RE DONE WITH THIS COMIC, PASS IT ON TO A FRIEND, OR RECYCLE IT!

FRANNY

HENRY

NICK

RUSTY

SHIRLEY

STUFF

2 TERRIFIC TRASHMASTERS! STORIES!
6 PAGES OF GREAT GAMES AND ACTIVITIES

Printed on recycled paper, of course.
Save for reference—or recycle it!

06402: Comic Book 2 Grades 4-6 12.15

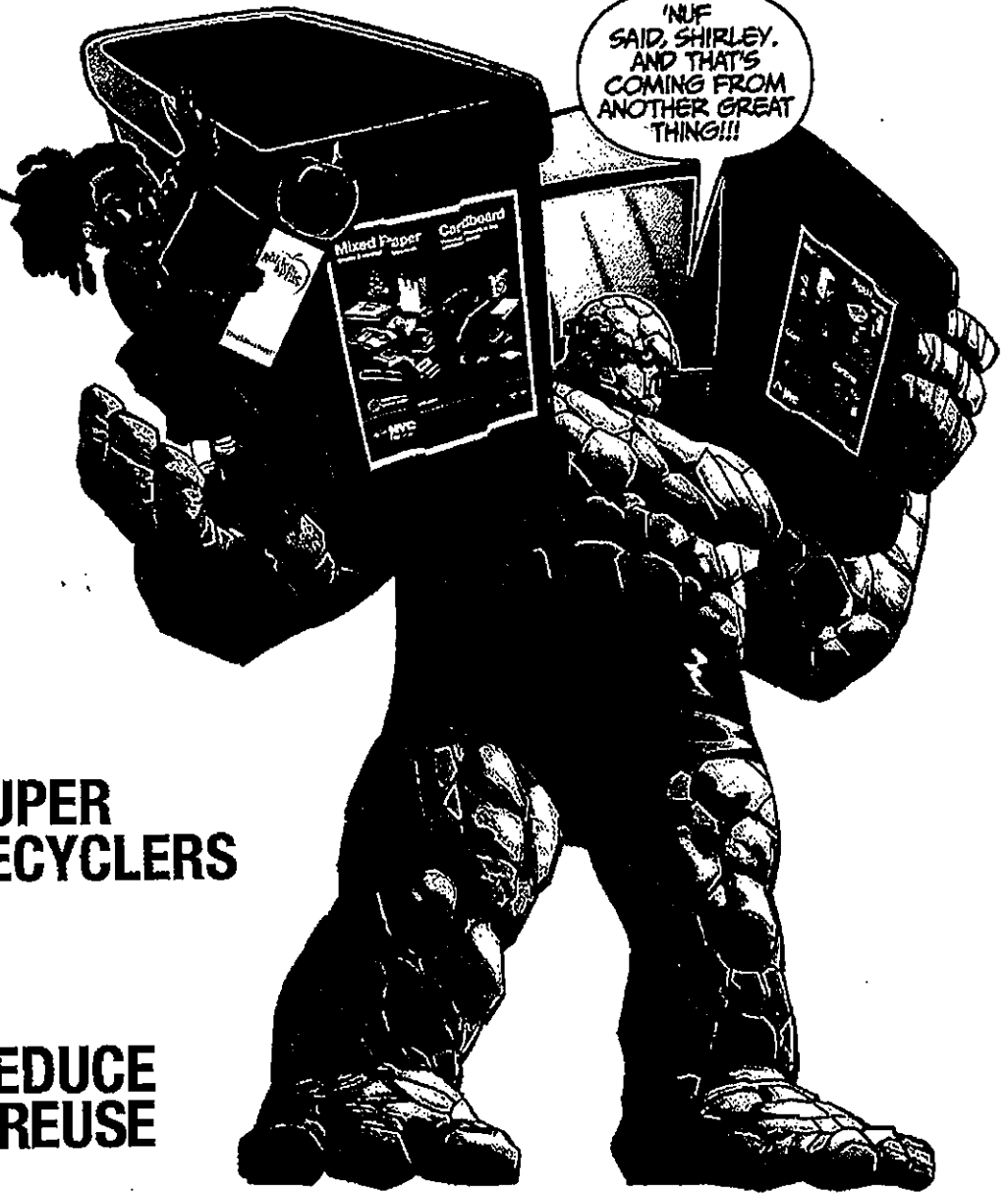
nyc.gov/zerowaste

[f](#) [t](#) [@](#) [NYCzerowaste](#)



WINNING THE
GOLDEN APPLE
AWARDS
WOULD BE A GREAT
THING!

'NUF
SAID, SHIRLEY.
AND THAT'S
COMING FROM
ANOTHER GREAT
THING!!!



**SUPER
RECYCLERS**



**REDUCE
& REUSE**

Thing and Shirley know that Reducing, Reusing, and Recycling are really great things for our city and our planet!

That's why they want you to get involved in the Golden Apple Awards. It's a cool contest to see which schools can do the best job of spreading the word about recycling and other ways of making less waste and a better world!

It's fun, it's exciting, and your school could win big prizes! So, raise your hand today and tell your teacher that you want to enter the Golden Apple Awards. And be sure to tell your teacher to get more information from the people at the NYC Department of Sanitation.

For more info, visit: nyc.gov/goldenapple

WHEN AN ORDINARY GROUP OF NYC KIDS TURNED THEIR ELEMENTARY SCHOOL, KNOWN FOR ITS WASTEFUL WAYS AND MESS-UP MANNERS, INTO A CHAMPION MODEL OF REDUCING, REUSING, AND RECYCLING (RRR) — THEY BECAME THE ULTRA COOL, AWE-INSPIRING, WARRIORS OF WASTE.

TrashMasters!™

NO SCHOOL FAIR?!?!



TrashMasters!

IN

RRROCK! RRROLL!!!



LAST YEAR'S FAIR WAS A DISASTER... 89 YARDS OF NON-REUSABLE STREAMERS...

...732 NON-RECYCLABLE BALLOONS...

...637 RECYCLABLE BOTTLES AND CANS THAT WOUND UP IN THE TRASH!

THAT MIGHT HAVE BEEN OKAY FOR WASTE SIDE ELEMENTARY, AS THEY ONCE CALLED US.

LAST YEAR...

WEST SIDE SPRING FAIR

FACE PAINTING

PIZZA SODA

BUT NOT FOR WEST SIDE WINNERS OF THE PRECIOUS GOLDEN APPLE AWARD.

SORRY, BUT NEXT MONTH'S SPRING STREET FAIR IS OFFICIALLY CANCELLED.

DOWN IN SUB-SUB-BASEMENT 3 OF WEST SIDE ELEMENTARY IS THE WORKSHOP OF SCHOOL CUSTODIAN RUSSELL REGINALD RILEY (A.K.A. RUSTY), WHICH ALSO SERVES AS HEADQUARTERS FOR THE TRASHMASTERS!

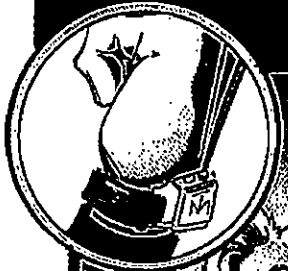
WELL, MS. RUSH HAS A POINT YOU KNOW...

RRR

THINGS WERE SO BAD LAST YEAR THAT THE OLD CUSTODIAN, CRUSTY, WENT FROM CLEANING UP THE STREET FAIR STRAIGHT INTO RETIREMENT.

POOR GUY. I HEAR HE WAS SO ANGRY, HE LITERALLY KICKED THE BUCKET!

BUT THERE MUST BE SOMETHING WE CAN DO.



SURE THERE IS.

C'MON, WE'RE TRASHMASTERS!

WHAT IF WE CAME UP WITH A PLAN TO SHOW MS. R THAT THIS YEAR'S FAIR WILL BE DIFFERENT?

A FESTIVAL INSTEAD OF A MESSFESTIVAL, YOU MEAN? HEH HEH.

WELL THEN...SHE JUST MIGHT CHANGE HER MIND.



HOW 'BOUT A CLEANUP SQUAD THAT ROTATES EVERY HOUR?



BLUE, GREEN, AND IN-BETWEEN TRASH BINS BY EVERY CORNER!



AN RRR INFORMATION BOOTH...

...FULL OF FACTS AND FIGURES AND EVIDENCE THAT RRR RULES!

INFORMATION



AND I'LL WRITE A SONG!

NO REALLY, I COULD WRITE A REALLY COOL AND INSPIRING SONG ABOUT RRR.

I HAVE A GIFT, YOU KNOW.

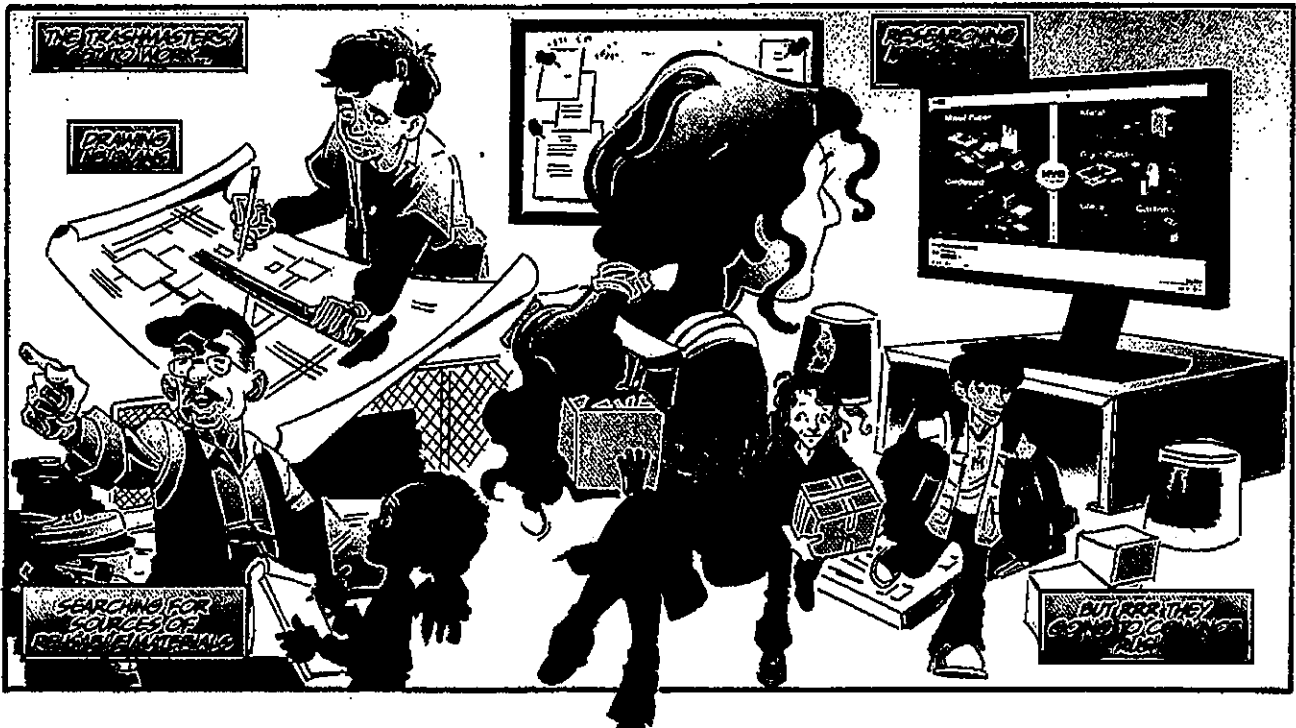
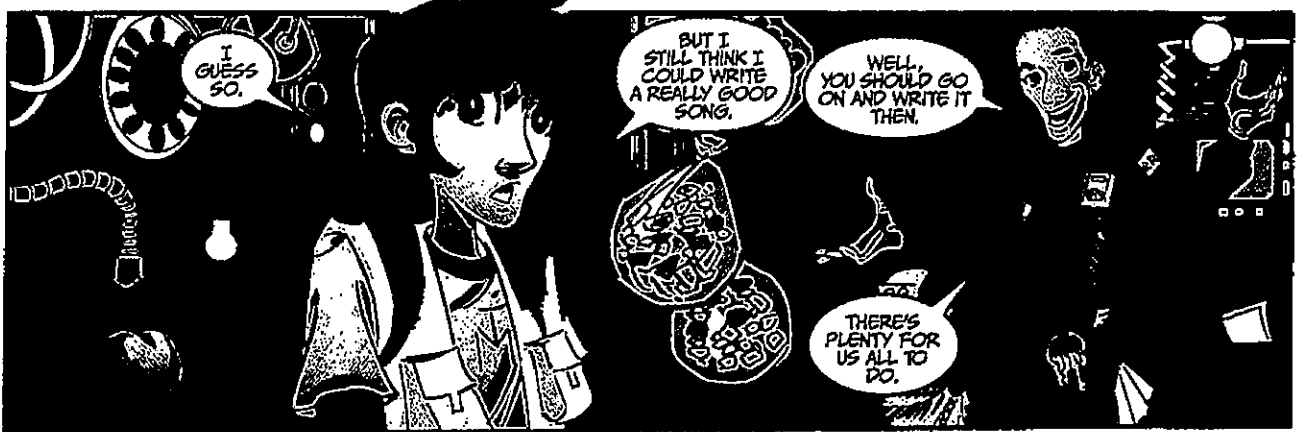


NICE TRY, STUFF.

BUT I THINK WE'LL NEED SOMETHING A LITTLE MORE CONCRETE TO WIN OVER MS. R.

LIKE GIVING THE FAIR AN RRR THEME...

...WITH EVERY GAME AND BOOTH RELATED TO RRR.







AS WEST SIDE PREPARES FOR THE FAIR ...

- RRR Posters
- RRR Games
- RRR Decorations
- RRR Recycle Bins

STUFF FINDS HIMSELF IN A FIX ...

I WROTE LETTERS TO ALL THESE GROUPS AND I HAVEN'T HEARD BACK FROM A SINGLE ONE.

AND THE FAIR'S ONLY A WEEK AWAY!

NICK WAS RIGHT. I MIGHT AS WELL GIVE UP.

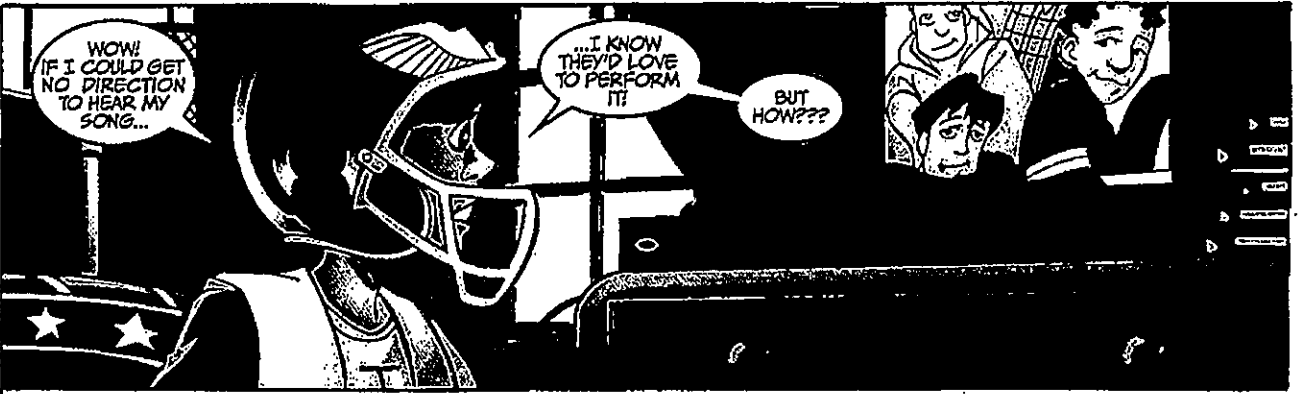
NO DIRECTION COMING TO MADISON SQUARE GARDEN THIS WEEK!



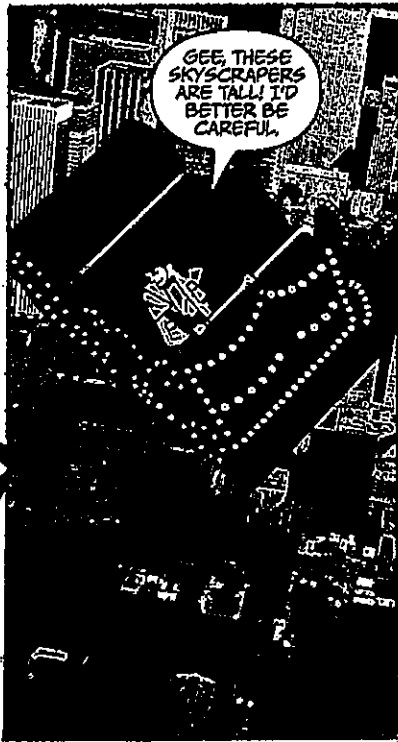
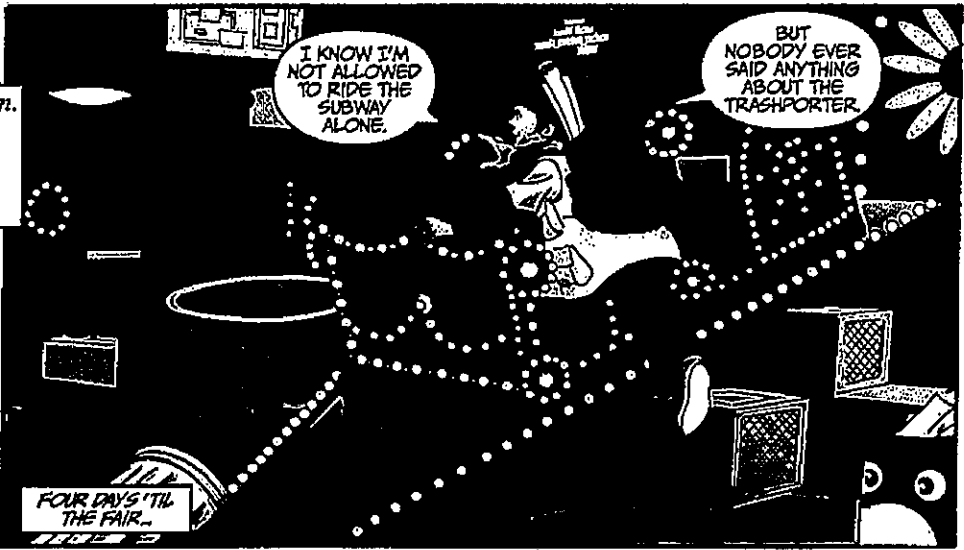
WOW! IF I COULD GET NO DIRECTION TO HEAR MY SONG...

...I KNOW THEY'D LOVE TO PERFORM IT!

BUT HOW???

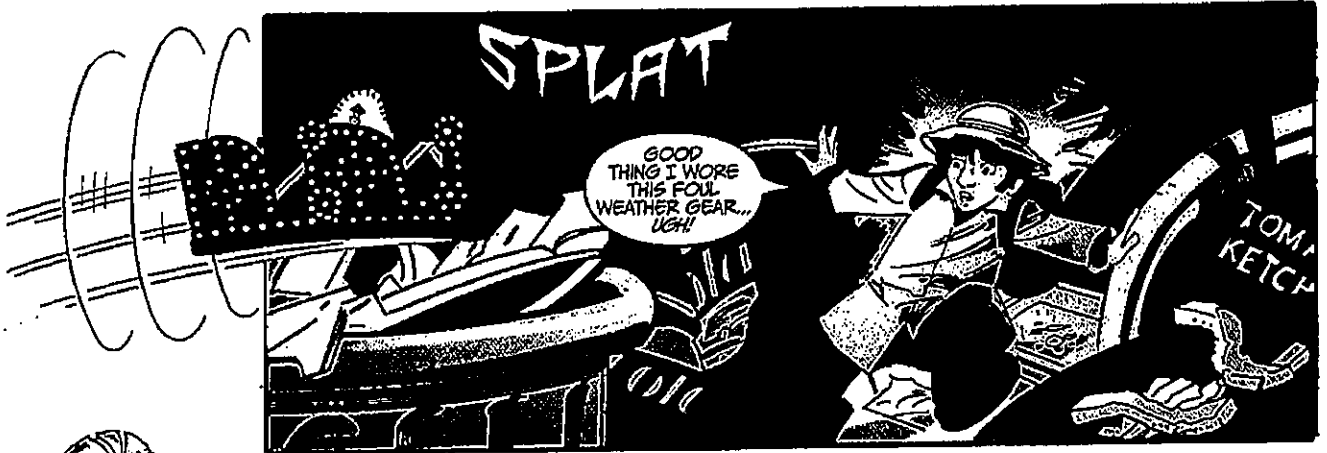
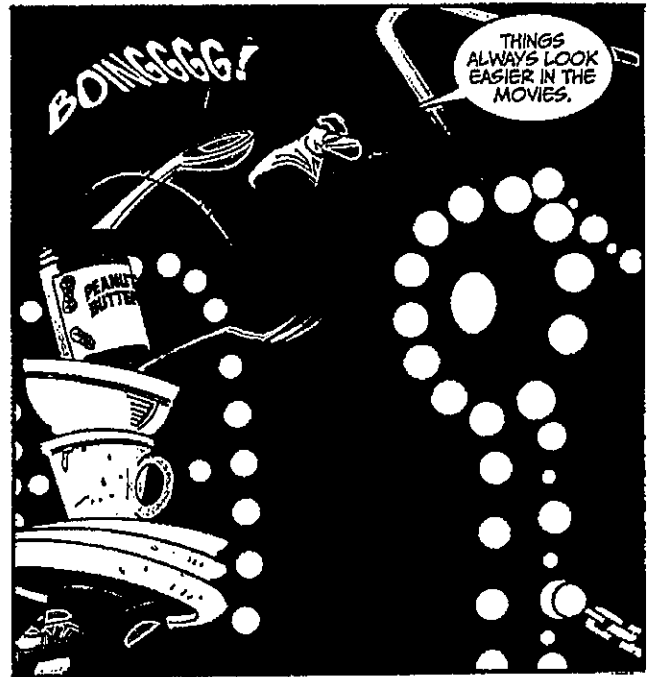


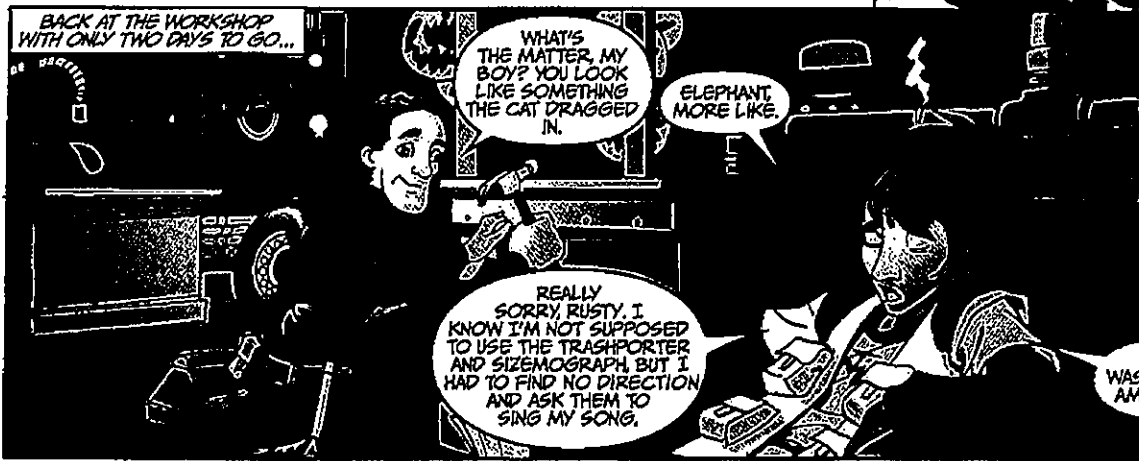
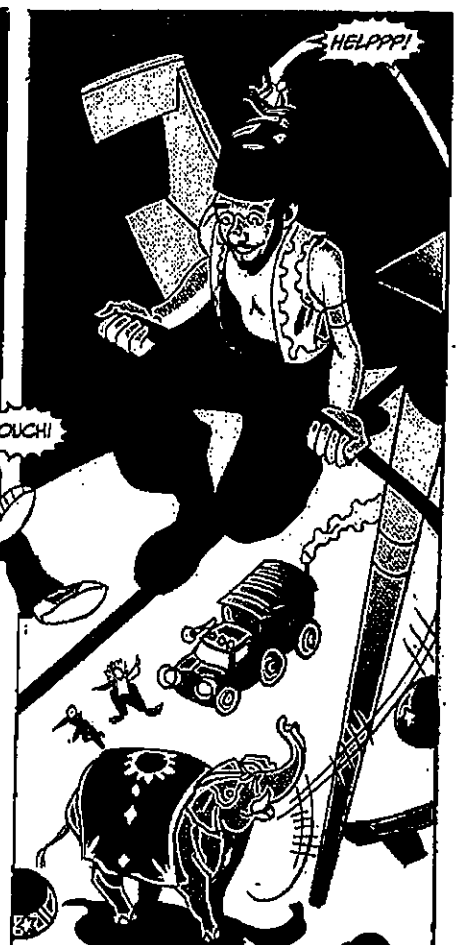
trashporter (trăsh-pôr-tər) *n.*
 A means of transport to
 any RRR-related locale.
 Invented by
 R.R. Riley, circa 1998.





sizemograph; ('siz-mō-grāf)
 n. an ingenious device used to change the size of a person or object. Primarily used for objectives related to RRR. Invented by R.R. Riley, Circa 1999.





AND THANKS TO STUFF AND ALL THE TRASHMASTERS! THIS YEAR
WEST SIDE HAD THE FAIREST FAIRRR OF THEM ALL ...





WRITERS: DOUG BERNSTEIN AND VIVIAN TRAKINSKI PENCILER: PAUL RYAN
INKERS: RICH PERROTTA AND HARRY CANDELARIO LETTERER: SHARPEFONT
COLORS: DIGITAL CHAMELEON ADDITIONAL ART BY SCOTT ELMER

FACTOID FRANKIE'S RRR QUIZ!

HOW MUCH DO YOU REALLY KNOW ABOUT RRR (REDUCE, REUSE, AND RECYCLE)? SEE IF YOU'RE A TOP TRASHMASTER! BY TAKING FACTOID FRANKIE'S TRASH-RELATED TIDBIT TEST.



1 PET plastic bottles help keep you warm when they're recycled into:

- a) Toasters
- b) Hot chocolate mix
- c) Fiberfill for ski jackets



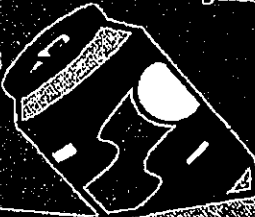
2 Each American generates approximately how much waste every day?

- a) 4 1/2 pounds
- b) 1 pound
- c) 1 ton



3 One aluminum can may be recycled up to:

- a) 10 times
- b) two times
- c) one time



4 The Empire State Building could be filled to the top by what?

- a) The contents of Stuff's backpack
- b) The waste created in NYC in a week
- c) The leftovers from your school's lunches



5 The average American uses this much aluminum every year.

- a) 42 pounds
- b) 22 pounds
- c) 2 pounds



6 If you throw away a bottle today, how many years until it is completely decomposed?

- a) 10 years
- b) 100 years
- c) So far off that we don't know



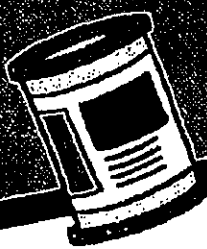
7 If just 100 New Yorkers switched to coffee mugs from disposable cups, how many paper and foam cups would be saved in a year?

- a) 50,000
- b) 100
- c) 5,000



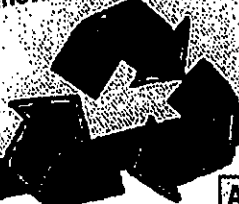
8 Americans recycle how many steel cans every second?

- a) 100
- b) 34
- c) 630



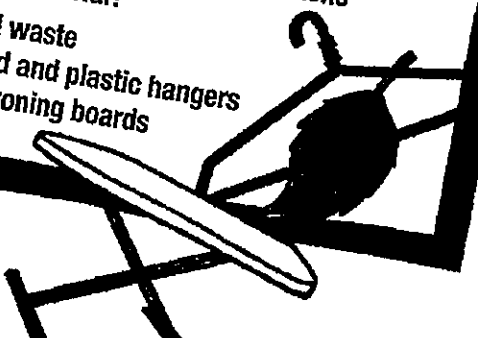
9 Products made from recycled aluminum require how much less energy to make than products made from new aluminum?

- a) 10 percent
- b) 95 percent
- c) 25 percent



10 The NYC Department of Sanitation composts approximately 10,000 tons of what material?

- a) Yard waste
- b) Wood and plastic hangers
- c) Old ironing boards



Answers on last page.

WEST SIDE YEARBOOK PA!

HERE ARE PHOTOS FROM AN OLD WEST SIDE ELEMENTARY YEARBOOK--
THE SCHOOL WAS KNOWN AS "WASTE CITY"
BECAUSE OF THE MISTAKES YOU FIND.

CLASS YEARBOOK

WEST SIDE ELEMENTARY



Answers on last page.

THE ENVIRONMENTAL TOUR MEET THE SANITARY SIX!

- ① Say "no thanks" to paper or plastic bags that you don't really need, and to items such as napkins, straws, plastic utensils, and condiments that you're not going to use.
- ② Use glass jars, plastic takeout containers, and yogurt containers for storing leftovers in the refrigerator or freezer.
- ③ Swap music and reading materials with friends and family rather than buying new ones or throwing old ones away.
- ④ Reuse the backs of bills, letters, and envelopes for shopping lists or for messages to family members.

RECYCLABLE ITEMS:

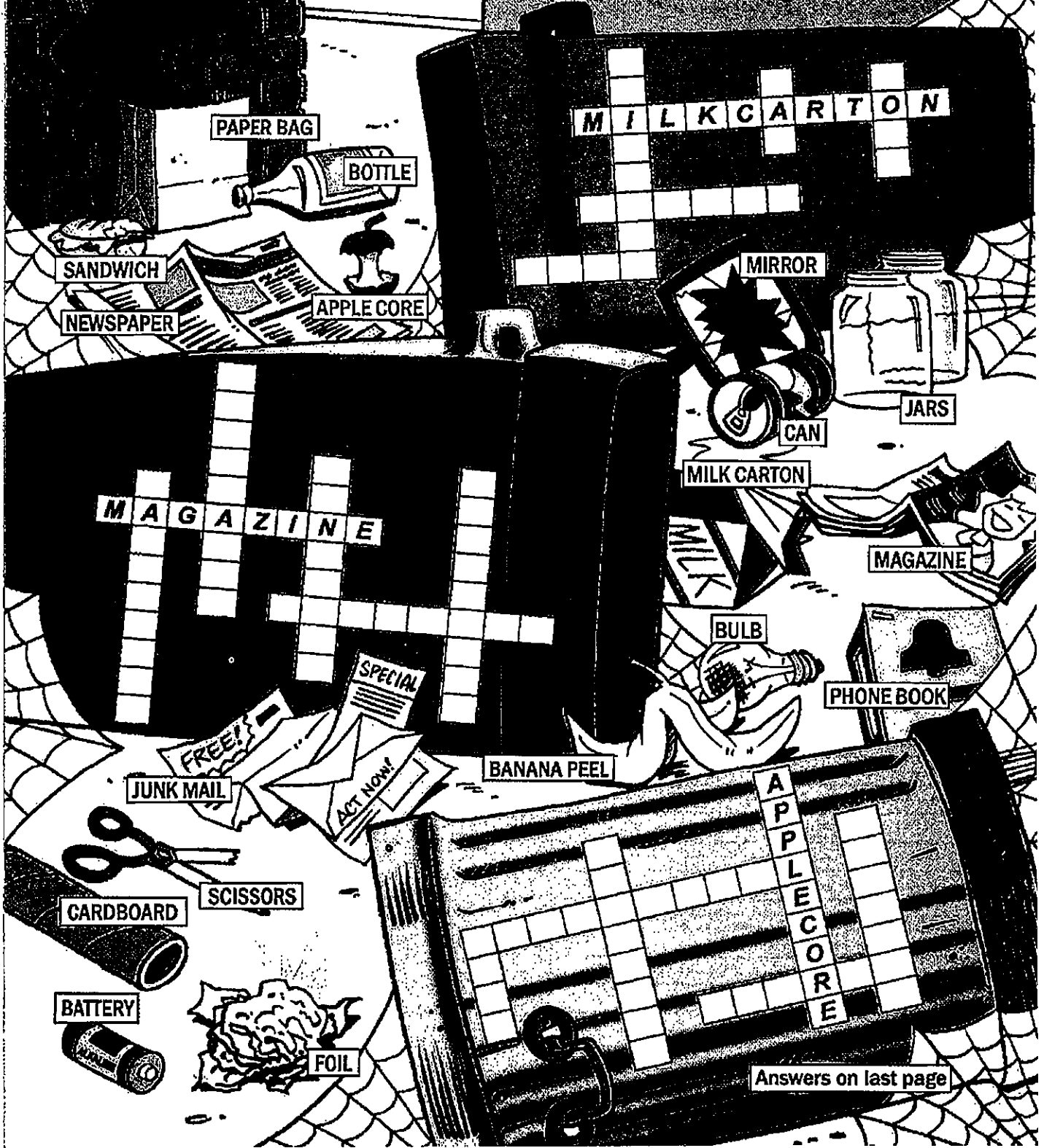
IN BLUE BINS OR CLEAR BAGS

IN GREEN BINS
OR CLEAR BAGS



HELP SPIDEY SORT IT OUT

SPIDER-MAN'S WEB INSPIRED AND HURRIED OVER ALL THE TRASH AND RECYCLING BIN. HELP HIM SORT THEM OUT BY PLACING THE CORRECT WORDS IN THE CORRECT GRID. SOME THINGS BELONG IN THE BLUE GRID, SOME GO IN THE GREEN GRID AND SOME GO IN THE TRASH GRID. WE'VE GIVEN YOU ONE ANSWER IN EACH GRID TO GET YOU STARTED.



PAPER BAG

BOTTLE

SANDWICH

NEWSPAPER

APPLE CORE

MILK CARTON

MIRROR

JARS

CAN

MILK CARTON

MAGAZINE

MAGAZINE

BULB

PHONE BOOK

BANANA PEEL

JUNK MAIL

CARDBOARD

SCISSORS

BATTERY

FOIL

Answers on last page

WESTSIDE ELEMENTARY

IT'S ONLY BEEN A FEW MONTHS SINCE WEST SIDE ELEMENTARY WON THE GOLDEN APPLE AWARD AND... OH, NO!

WASTESIDE LIVES

TrashMasters!
IN
**REDUCE,
REUSE,
RECYCLE...
REPAINT?!**

RRR
PROBLEM SOLVERS
HERE

TEAM UP
TO MESS UP!

RRR

WHEN AN ORDINARY GROUP OF NYC KIDS TURNED THEIR ELEMENTARY SCHOOL, KNOWN FOR ITS WASTEFUL WAYS AND MESS-UP MANNERS, INTO A MODEL CHAMPION OF REDUCING, REUSING, AND RECYCLING (RRR) -- THEY BECAME THE ULTRA COOL, AWE-INSPIRING, WARRIORS OF WASTE.

TrashMasters!

AFTER SCHOOL, AT WEST SIDE...



PSSST.

COME ON!
THE COAST IS CLEAR.

NICK'S WITH FRIENDS FROM HIS OLD SCHOOL, GREENFIELD ELEMENTARY.



YO TIM,
YOU KNOW
WHAT RRR
REALLY
STANDS
FOR?



REALLY
ROTTEN AND
REPULSIVE!
HA, HA!

HEY,
YUKA, RRR U A
G-G-GARBAGE
G-G-GEEK?



YEAH!
LOOK AT ME! I'M A
TRASHMASTER!

WATCH ME
WRESTLE CANDY
WRAPPERS TO THE
GROUND!

RECYCLE
SODA CANS
WITH MY BARE
HANDS!

LEAP
TALL TRASHCANS
IN A SINGLE
BOUND!



HEY, NICK,
WHAT'S UP? WHY
ARE YOU JUST
STANDING
THERE?

GRAB
SOME PAINT,
MAN.

WELL...
I...UH...

NEXT MORNING AT THE TRASHMASTERS! HEADQUARTERS...

SEE YOU LATER, RUSTY.

UH, RUSTY, GOT A MINUTE?

RRR YOU KIDDING? OF COURSE I'VE GOT TIME.

AND SPEAKING OF TIME I'M ALMOST READY TO TEST MY NEW TIME RECYCLER!

RUSTY, WHAT WOULD YOU DO IF YOU HAD FRIENDS WHO WERE DOING SOMETHING PRETTY WACK...

WACK=BAD?!

...BUT, WELL, THEY'RE YOUR FRIENDS, AND THEY'RE JUST, YOU KNOW, KINDA DIFFERENT FROM YOU THAT WAY?

WELL, IF THEY WERE MY FRIENDS I'D LIKE TO THINK I COULD BE HONEST WITH THEM ABOUT THEIR, UH, WACK-INNESS.

REAL FRIENDS STICK TOGETHER, NICK. NO MATTER WHAT THEIR DIFFERENCES.

THAT NIGHT...

REAL FRIENDS STICK TOGETHER, NICK...

... REAL FRIENDS STICK TOGETHER...

...STICK TOGETHER...

WHY, NICK? WHY?



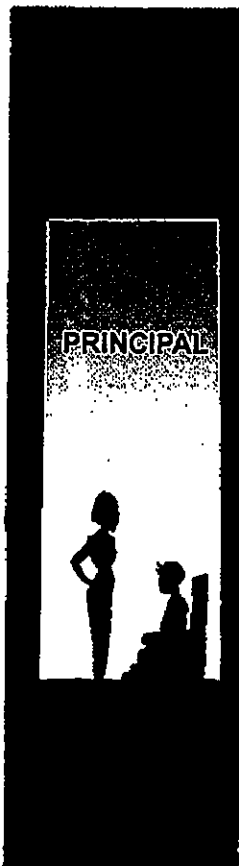
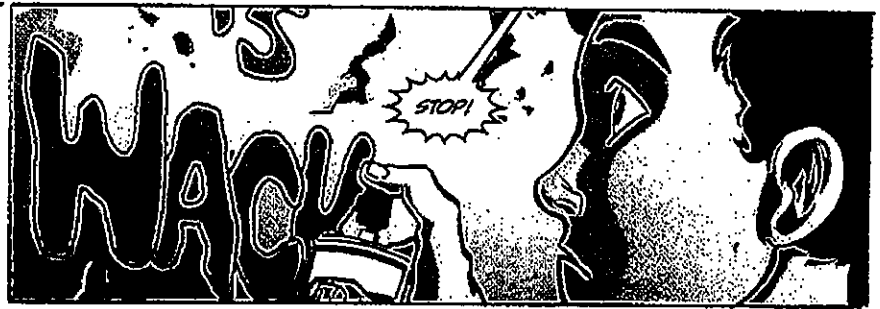
NICK! NOOOO!!



OH NICK...



AHHHHH!

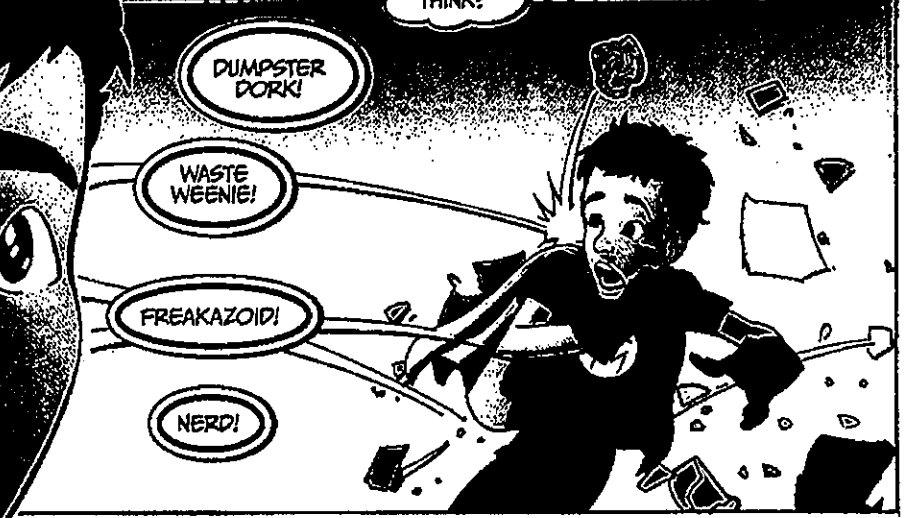
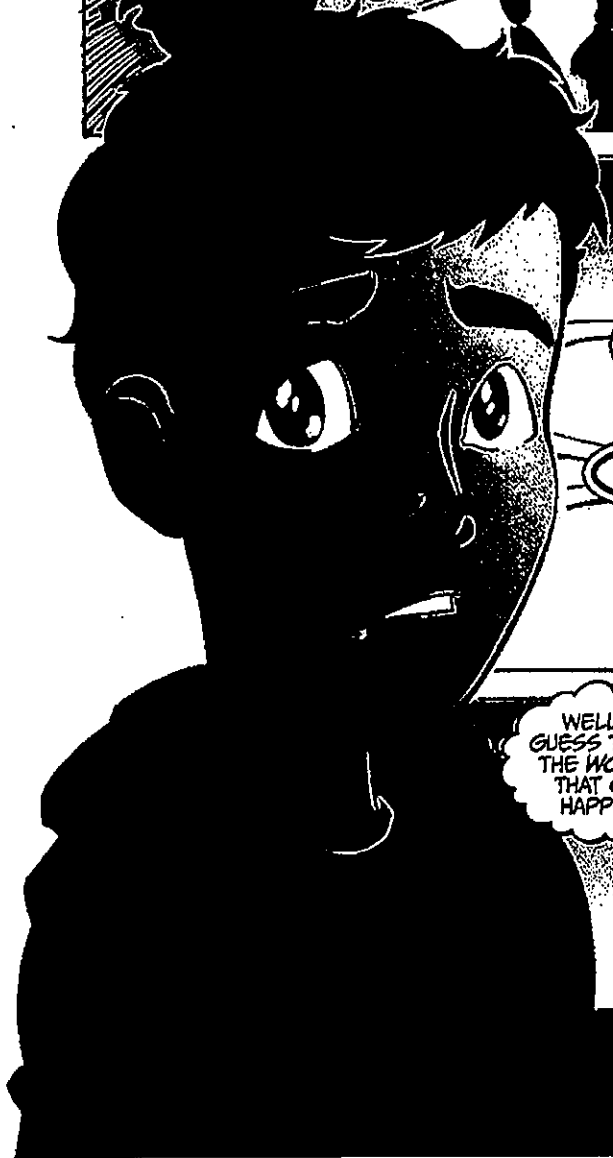




...SO YOU SEE, GUYS, MILD-MANNERED, SUPER B-BALLER, EVERYDAY FIFTH GRADER, NICK IS REALLY...

... A TRASHMASTER!

WHAT WOULD THEY THINK?



DUMPSTER DORK!

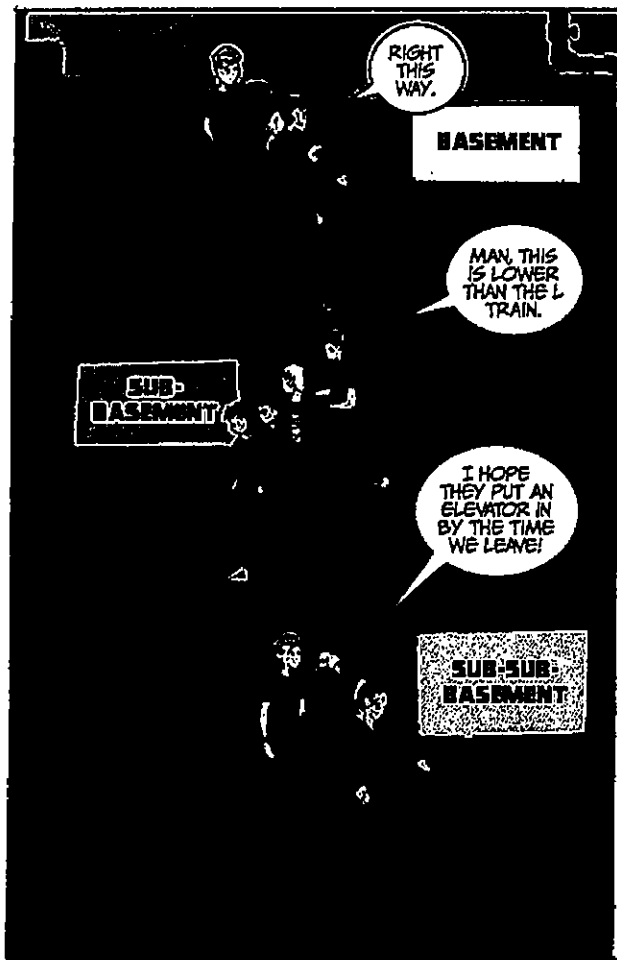
WASTE WEENIE!

FREAKAZOID!

NERD!

WELL, I GUESS THAT'S THE WORST THAT CAN HAPPEN.





STEP RIGHT UP...
OR STEP RIGHT BACK I SHOULD SAY, BECAUSE WE'RE GOING BACK IN TIME!

Y2K

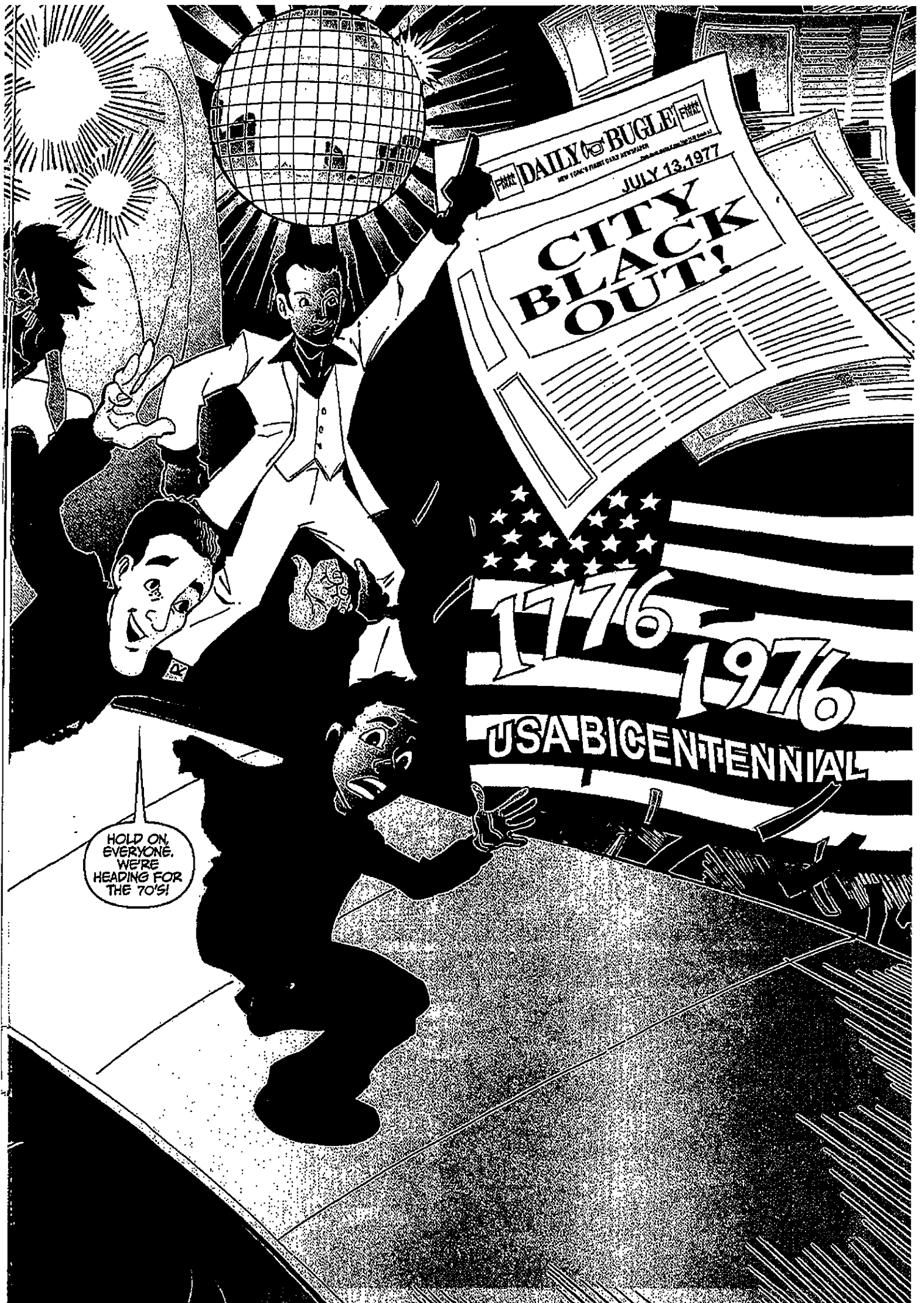
time recycler n.
A means of transport backwards, or forwards, in time. Often used for purposes of RRR historical studies. Invented by R. R. Riley, 2001. Patent pending.

LOOK OUT!
DISCO AHEAD!

THE DAILY BUGLE
NEW YORK'S FINEST DAILY NEWSPAPER
Fully Independent of the Top 500
METS
WIN '86 WORLD CHAMPIONS!!!

1993-1994



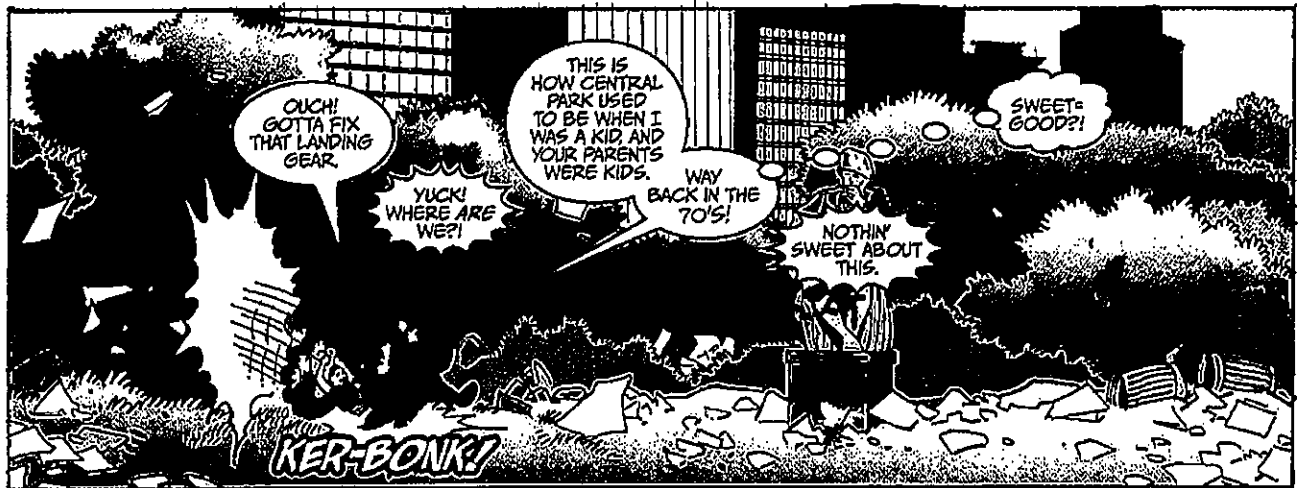


PRICE **DAILY BUGLE** PRICE
NEW YORK'S FASTEST GROWING PAPER
JULY 13, 1977

**CITY
BLACK
OUT!**

1776 1976
USA BICENTENNIAL

HOLD ON,
EVERYONE,
WE'RE
HEADING FOR
THE 70'S!







YO! CHECK IT OUT.
WE'RE

West Side

TEAM UP TO CLEAN UP!

WEST SIDE BY DAVID BENTON

WATCH OUT, WEST SIDE!
NEXT YEAR, OUR SCHOOL'S GONNA GET THE GOLDEN APPLE!

WRITERS: DOUG BERNSTEIN AND VIVIAN TRAKINSKI PENCILER: RON LIM
INKERS: DEREK MEI AND RODNEY RAMOS LETTERER: SHARPEFONT
COLORS: DIGITAL CHAMELEON ADDITIONAL ART BY SCOTT ELMER AND LEE MODER

GOLDEN APPLES
ELEMENTARY

CRACK the CODE!

THE X-MEN HAVE JUST RECEIVED A SECRET, CODED MESSAGE FROM THE TRASHMASTERS! HELP THEM FIGURE OUT WHAT THE MESSAGE SAYS BY DECODING EACH OF THE FOLLOWING WORDS, THEN WRITING THE CIRCLED LETTERS, IN ORDER, IN THE SPACES AT THE BOTTOM.

The Code

Code letter	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Real letter	Z	Y	X	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A

Code Letters

1) HLFK XZM

○ ○ _ _ _

2) MVDHKZKVI

_ _ _ ○ _ _

3) DRIV SZMTVI

_ _ _ ○ _ _ ○ _

4) KZKVI TILXVIB YZT

_ _ _ ○ _ _ ○ _

5) TOZHH QZI

_ _ _ ○ _ _ ○

6) VTT XZIGLM

○ _ _ _ ○ _ _

7) VNKGB XZIWYLZIW YLC

_ _ _ ○ ○ _ _ _ _ _

8) KOZHGRX YLGGOV

○ _ _ _ _ _ ○ _ _

DECODED MESSAGE



Answers on last page

Trash Masters!

ANSWERS

Factoid Franny's RRR Quiz

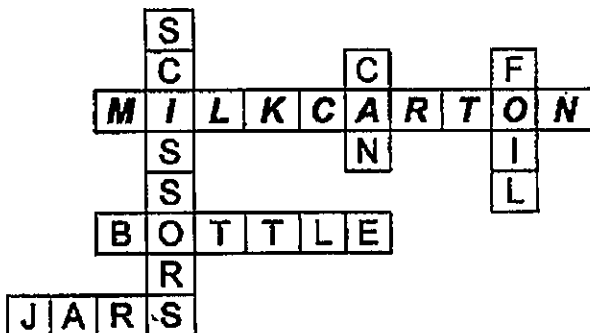
Answers:

- 1) c, 2) a, 3) a, 4) b, 5) a, 6) c, 7) a
8) c, 9) b, 10) a



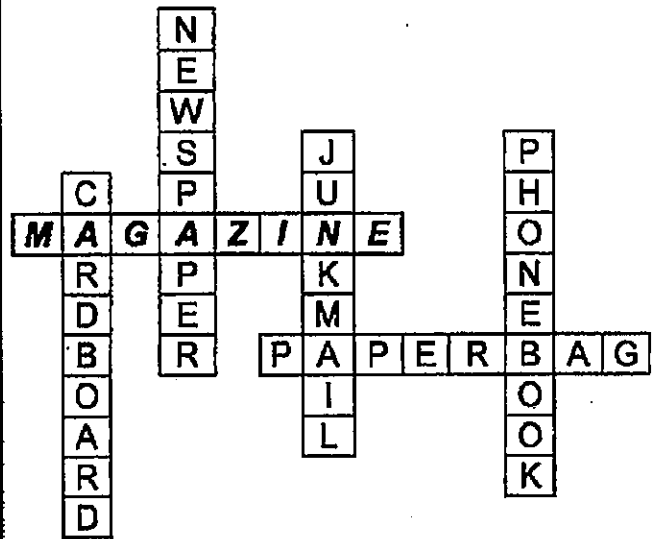
Help Spidey Sort It Out

Blue recycling bin:

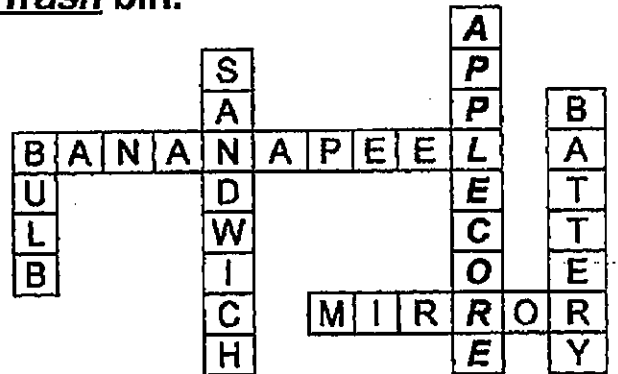


Help Spidey Sort It Out (cont.)

Green recycling bin:



Trash bin:



Crack the Code

- 1) HLFK XZM = SOUP CAN
- 2) MVDHKZKVI = NEWSPAPER
- 3) DRIV SZMTVI = WIRE HANGER
- 4) KZKVI TILXVIB YZT = PAPER GROCERY BAG
- 5) TOZHH QZI = GLASS JAR
- 6) VTT XZIGLM = EGG CARTON
- 7) VNKGB XZIWYLZIW YLC = EMPTY CARDBOARD BOX
- 8) KOZHGRX YLGGOV = PLASTIC BOTTLE

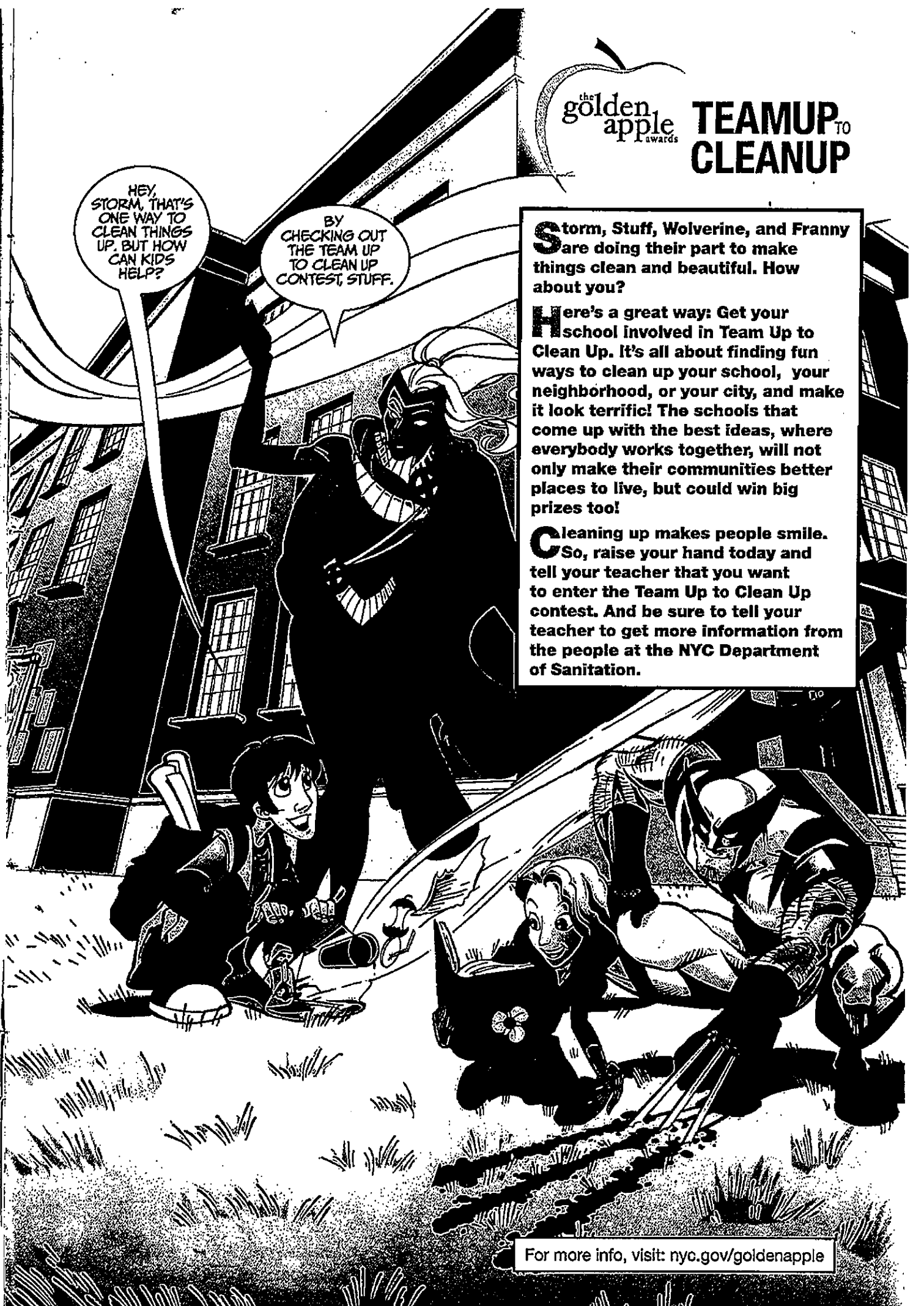
DECODED MESSAGE:

SUPER HEROES RECYCLE



the golden
apple
awards

TEAMUP TO CLEANUP



HEY,
STORM, THAT'S
ONE WAY TO
CLEAN THINGS
UP. BUT HOW
CAN KIDS
HELP?

BY
CHECKING OUT
THE TEAM UP
TO CLEAN UP
CONTEST, STUFF.

Storm, Stuff, Wolverine, and Franny are doing their part to make things clean and beautiful. How about you?

Here's a great way: Get your school involved in Team Up to Clean Up. It's all about finding fun ways to clean up your school, your neighborhood, or your city, and make it look terrific! The schools that come up with the best ideas, where everybody works together, will not only make their communities better places to live, but could win big prizes too!

Cleaning up makes people smile. So, raise your hand today and tell your teacher that you want to enter the Team Up to Clean Up contest. And be sure to tell your teacher to get more information from the people at the NYC Department of Sanitation.

For more info, visit: nyc.gov/goldenapple

The NYC K-12 School RRRResource Guide:

An exciting way for kids to learn about
Reducing, Reusing, and Recycling!

Ask your teachers about it!

YOU
DON'T HAVE TO BE
A SUPER HERO TO BE
A TRASHMASTER! BUT
EVERY TRASHMASTER
IS A HERO!

Want to learn more about how
to clean up our city and your
planet? Of course you do!

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