

ARNIE'S ADVENTURE: MAKING GOOD CHOICES FOR CLEANER AIR!

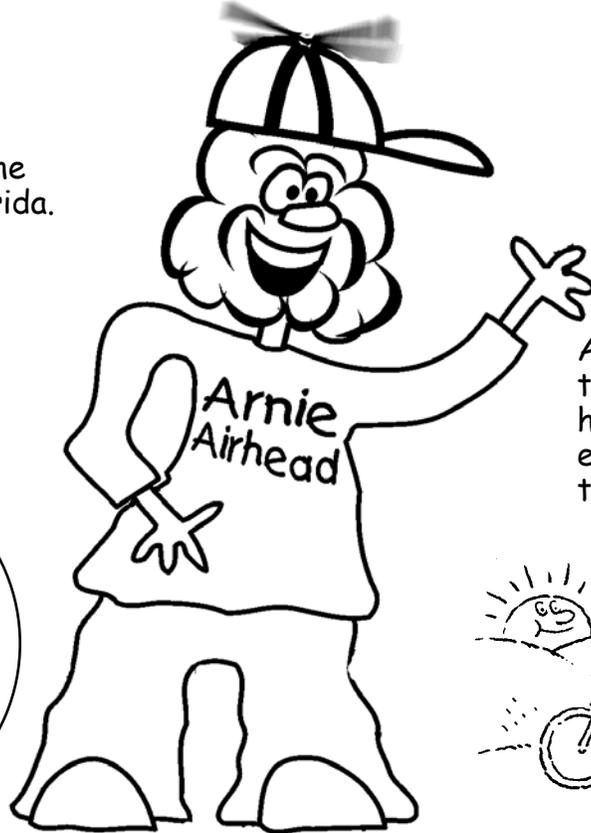


BROWARD
COUNTY
FLORIDA

**POLLUTION PREVENTION, REMEDIATION AND
AIR QUALITY DIVISION**

MEET ARNIE AIRHEAD

Arnie Airhead lives in the Southeast Florida Airshed. Arnie and his family enjoy the beautiful, sunny days of Florida.



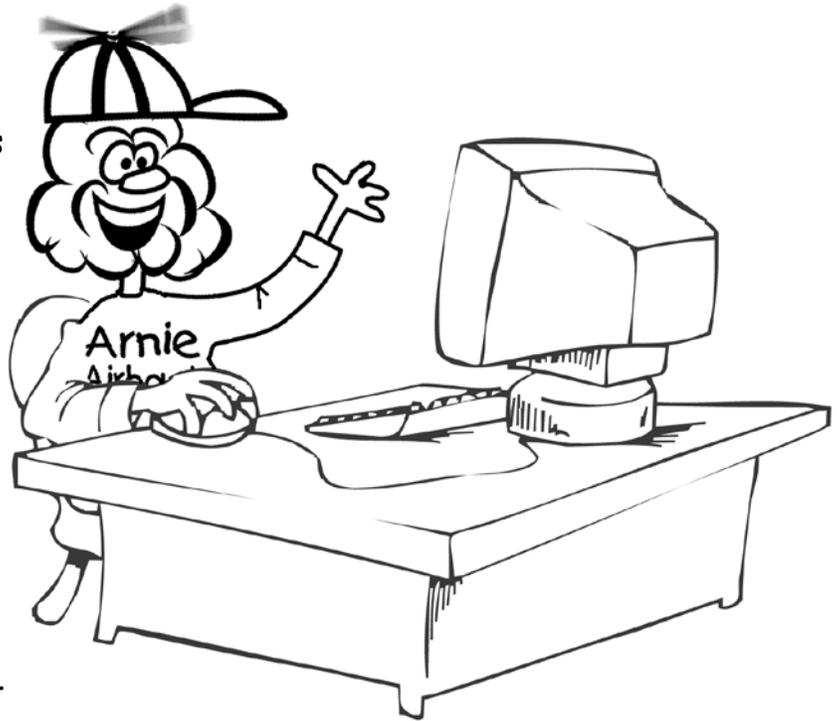
Arnie and his family try their best to help keep their hometown pretty and clean, especially the air; after all they are Airheads!



ARNIE AIRHEAD'S ADVENTURE BEGINS...

It's a Saturday morning, and the light from the sun begins to creep into Arnie's room. He sits up in his bed and rubs his eyes. He can hear his family already stirring in the kitchen. He grabs his hat and heads for some breakfast. In the middle of a yawn, Arnie greets his family with a sleepy "Good Morning." He grabs a bowl and pours himself some cereal. "Crunchy clouds, my favorite!" says Arnie, as he goes for a second helping. He quickly finishes his breakfast and returns to his room.

Arnie plops himself in front of the computer. As he sits there waiting for the computer to turn on, Windy, his white terrier prances into the room. "Hey Windy, want to go for a walk?" Windy cocks his head to the side and feverishly wags his tail with excitement. "Ok boy, let's check out today's air quality first."



Arnie types in www.broward.org/air and is immediately taken to Broward County's air quality web site. Here he clicks on the AQI logo and discovers that the air quality index is in the "good" range. "Well that's a relief," Arnie says to himself. He knows that sometimes the air can become "polluted" or bad to breathe. It can even make people sick! Luckily, Broward County's air quality is usually "good." Just as Arnie is about to close out the screen, he notices that there is a phone number that he can call any time to find out the air quality. "Hmm, that will come in handy," Arnie says as he pats Windy on the head.



www.broward.org/air
954-519-1280



YOU'RE INVITED!

"Oops, I almost forgot to check my email," Arnie says to Windy, who is now waiting patiently by the door. Just as Arnie is about to check his email, a message pops up on his computer screen. It's from his good friend Annie! Arnie clicks on the message to open it and a big smile forms on his face. Annie has sent him an invitation to her birthday party this afternoon!



HOW WILL I GET TO ANNIE'S HOUSE?

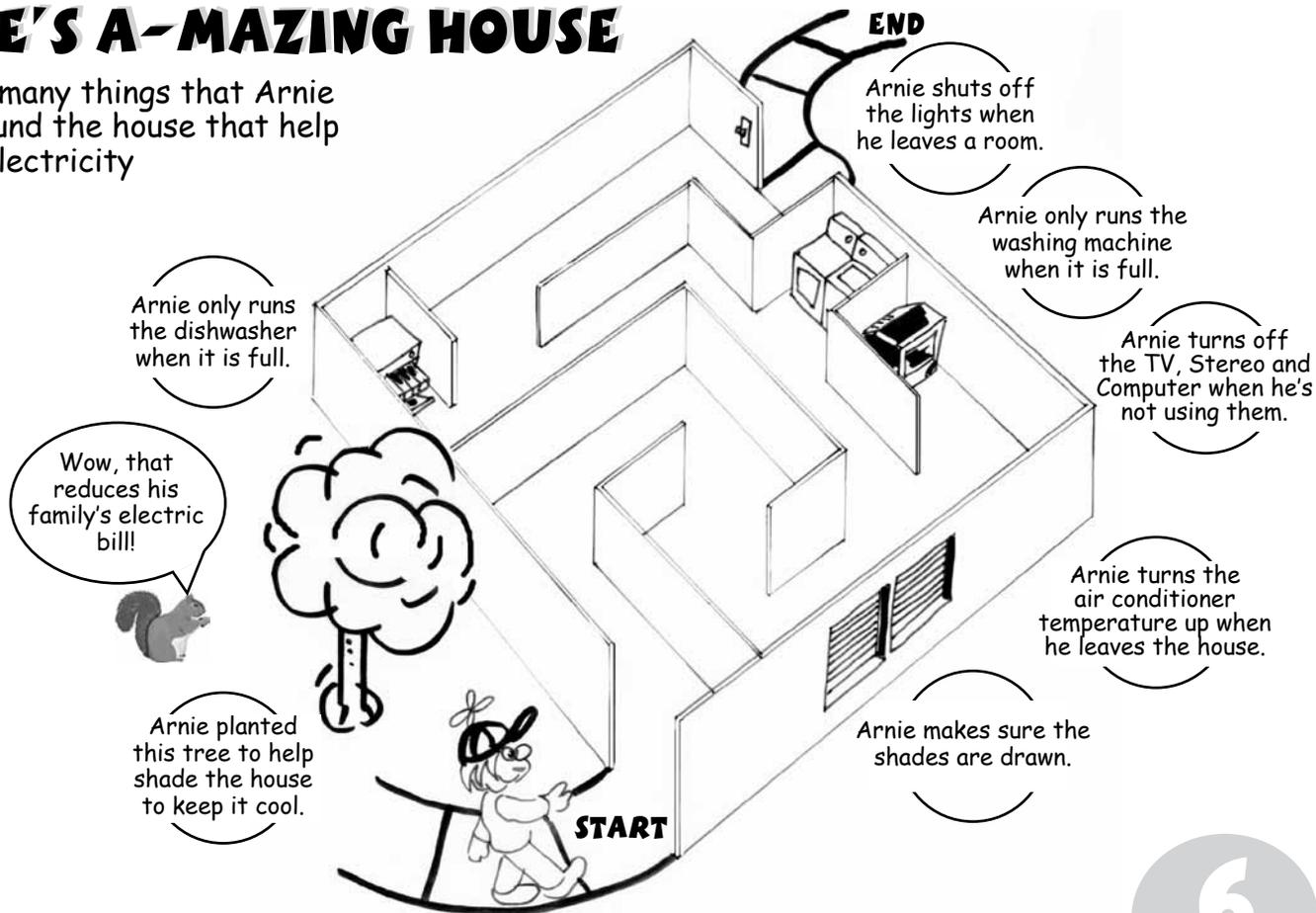
Arnie finishes checking his email and turns off the computer; he knows that one way to protect air quality is to use less electricity.

Arnie grabs Windy's leash and heads out the door. As they walk down the street, Arnie begins to think about what he needs to do to get ready for Annie's party. "First, I need to figure out how I will get to Annie's house," Arnie says to Windy who is sniffing a passing frog. "I think I'll call Annie for suggestions," and with that Arnie and Windy head back towards the house.



ARNIE'S A-MAZING HOUSE

There are many things that Arnie can do around the house that help conserve electricity





"HI ANNIE, IT'S ARNIE"



**"HI ARNIE! DID YOU
GET MY INVITATION?"**

"Sure did! I'll be there! But first, can you help me figure out how I should get to the party? I was reading about air quality this morning and would like to find a way to get to the party that helps keep the air clean."

"Arnie, I'd be happy to help! Let's see...you do have a lot of choices...you could take a bus, walk, ride your bike, carpool with friends or even take the Tri-Rail."

Arnie hadn't realized there were so many different transportation choices!

"Wow Annie! Thanks for your help. I'll see you at two o'clock!"

Arnie hangs up the phone and thinks about Annie's suggestions. "Which transportation option will work best to get me to Annie's house and protect air quality?" Arnie says to himself. "Let's see, if the air quality was in the 'unhealthy' range, I wouldn't spend a lot of time outdoors, and riding my bike or walking wouldn't be a good idea. But, considering the air quality is in the 'good' range, any of Annie's suggestions would be okay!" Can you help Arnie decide?



MAKE A GOOD TRANSPORTATION CHOICE FOR CLEANER AIR

- Take a Bus, go to page 9
- Ride a Bike, go to page 12
- Drive an Alternative Fuel Vehicle, go to page 15
- Carpool, go to page 18
- Walk, go to page 21
- Take Tri-Rail, go to page 23
- Drive Alone, go to page 25

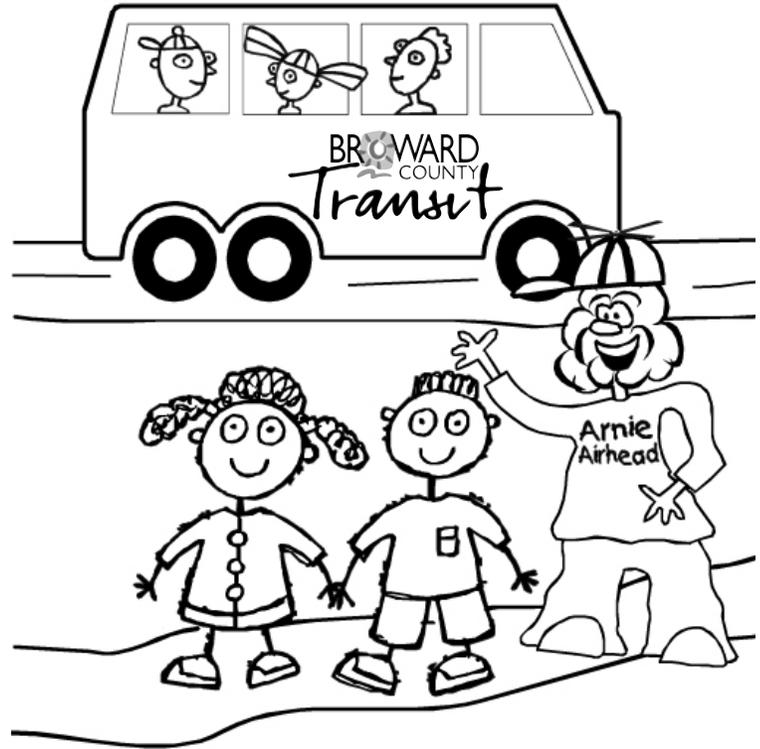
ARNIE TAKES THE BUS

As Arnie is sitting at his desk trying to make a decision, his mom walks into his room.

"Hi Arnie, is everything ok? You look puzzled," she said, sitting down on his bed.

"Well, Annie invited me to her birthday party this afternoon, and I was just thinking about how I should get to her house. She had a bunch of great ideas, but I'm not sure which one would be best."

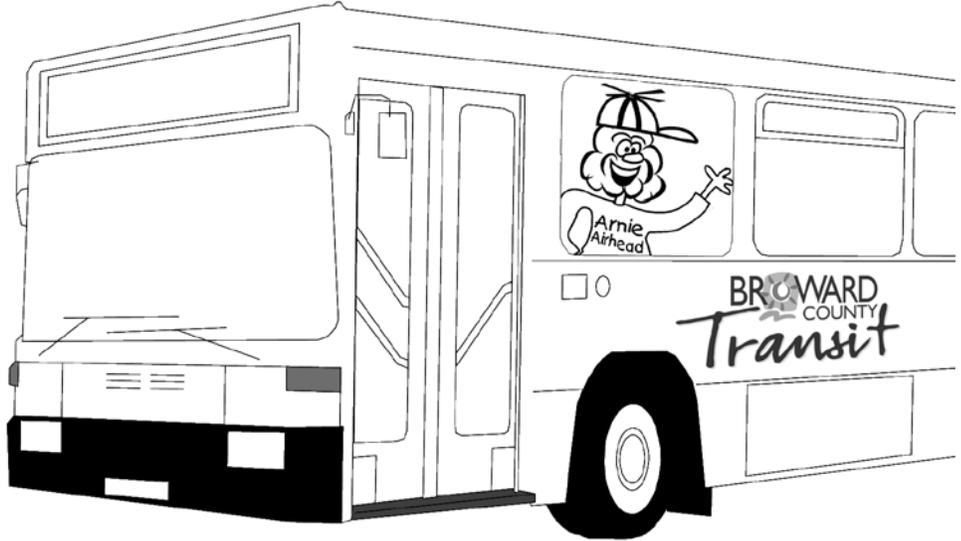
"Arnie, why don't you take the bus? I often take the bus to work or to go shopping. Let's check the schedule." His mom picks up the phone and dials Broward County Transit at **954-357-8400** to get fare and timetable information. Arnie's mom waits for the call to connect and whispers to him "Honey, you can also find this information online at www.broward.org/bct."



ARNIE TAKES THE BUS

A few minutes later, with fare and schedule information in hand, Arnie heads out the door to the bus stop. As he turns the corner, he finds a man selling flowers and cards. Arnie thinks to himself, "I'm not only protecting air quality by riding the bus, but I'm also saving money. Buying gas for my car would have cost a bunch more!" Right there, Arnie decides to use the extra cash to buy Annie a bouquet of flowers and a card.

Arnie's bus arrives and he hops on board. As the bus is traveling, Arnie finds that he has time to write a birthday message in Annie's card. After a few minutes of thought, he comes up with this neat little rhyme:



*Just hopped on a bus, without any fuss.
I'm on my way, to celebrate your special day!*

Complete the **MadLib** activity on the next page.

MADLIB

Fill in the blanks with the appropriate type of word to create a birthday note for Annie.

Dear Annie:

I am so _____ that you invited me to your party. Birthday parties are
(adjective)

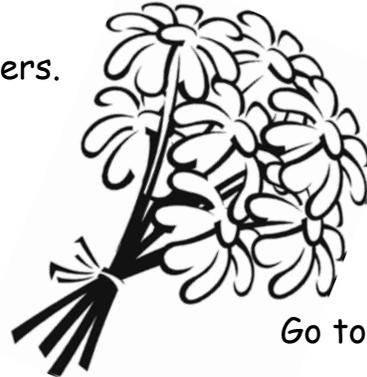
_____. I hope there are lots of _____, they are my favorite!
(adjective) (plural noun)

I decided to take the _____ to get to your house. It's _____ with yellow
(noun) (adjective)

trim. Thank you for helping me make a good transportation choice. I wish you

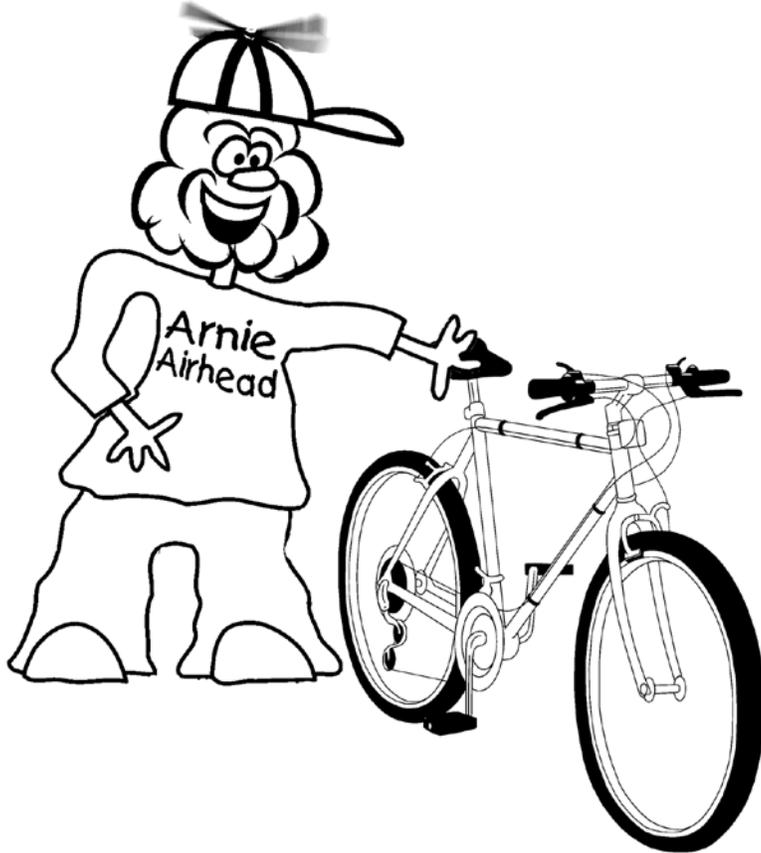
a(n) _____ Birthday! I hope you like the flowers.
(adjective)

From,
Annie



Go to page 28

ARNIE DECIDES TO RIDE HIS BIKE

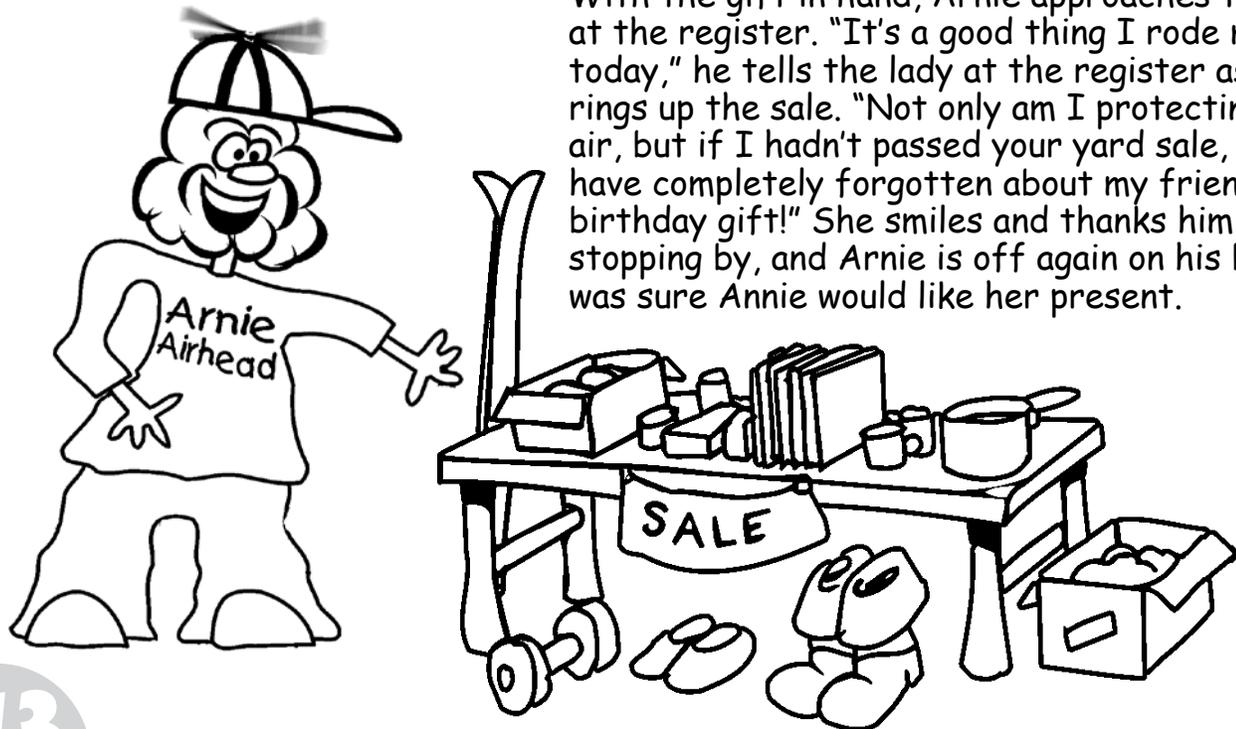


After thinking it over, Arnie decides to ride his shiny new, blue bike to Annie's party. He grabs his helmet and heads for the door. Arnie is so excited! He can't wait to get to Annie's party and show his friends his new bike!

Arnie carefully crosses the street and heads on his way. He rides in the bike lane and uses hand signals to let the traffic know the direction he's turning. As he turns down Annie's street he notices a yard sale up ahead.

Arnie stops for a moment to look around. "I can't believe I almost forgot to buy Annie a gift!" he says to himself, as he thumbs through a stack of old comic books. Arnie looks through all the knick-knacks and finds a beautiful necklace. "Perfect," he says to himself.

With the gift in hand, Arnie approaches the lady at the register. "It's a good thing I rode my bike today," he tells the lady at the register as she rings up the sale. "Not only am I protecting the air, but if I hadn't passed your yard sale, I would have completely forgotten about my friend Annie's birthday gift!" She smiles and thanks him for stopping by, and Arnie is off again on his bike. He was sure Annie would like her present.



SPOTLIGHT ON BIKE SAFETY

Use the following code to learn about how to safely ride your bike.

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|----|---|----|----|----|---|----|---|----|----|----|----|---|----|---|----|----|----|----|---|----|---|----|---|
| 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 |
| 6 | 1 | 23 | 5 | 46 | 10 | 34 | 3 | 17 | 4 | 15 | 28 | 11 | 50 | 9 | 78 | 2 | 16 | 98 | 12 | 25 | 7 | 31 | 6 | 41 | 8 |

1. Always ride on the _____ - _____ side of the street in the same direction as the cars. _____ ride against traffic.

16 17 34 3 12 3 6 50 5
50 46 7 46 16

2. Always _____ and check for traffic in both directions when leaving your driveway, an alley, or a curb.

98 12 9 78

3. Don't ride too close to _____ cars - doors can open suddenly!

78 6 16 15 46 5

4. Stop at all stop _____ and obey street lights just as cars do. Be careful at _____.

98 17 34 50 98

17 50 12 46 16 98 46 23 12 17 9 50 98

5. If you ride your bike in the evening, or when it's getting dark, be sure to have _____ on your bike and a battery-operated headlight.

16 46 10 28 46 23 12 9 16 98

Go to page 28

ARNIE DECIDES TO DRIVE AN ALTERNATIVE FUEL VEHICLE

Arnie walks outside as he is thinking about his transportation choices and notices his neighbor, Mr. Green, washing his car.

"Hey there, Mr. Green."

"Hi, Arnie.
Beautiful day, isn't it?
Not a cloud in the sky!"



"It really is Mr. Green. That reminds me, my friend Annie invited me to her birthday party and I need to decide how to get to her house. I'm just not sure which transportation option would be best to help keep the air clean. "

"Well today is your lucky day, Arnie. I happen to own an alternative fuel vehicle."

"What kind of vehicle?" Arnie says confused.

ARNIE DECIDES TO DRIVE AN ALTERNATIVE FUEL VEHICLE

"It is an alternative fuel vehicle, or AFV for short. My car is actually a hybrid which uses two sources of energy, a regular gas engine and an electric engine powered by a battery. The battery powered engine increases the fuel efficiency so you don't use as much gas, therefore there are fewer air-polluting tailpipe emissions. Arnie, would you like me to drive you to the party? Maybe invite some of your friends to carpool with us!"

"That sounds great, Mr. Green. Thank you so much!"

Arnie calls his friends and offers them a ride in Mr. Green's electric car. With the money they were saving on gas, they all decided to buy a nice gift for Annie.

Arnie was very happy about the decision he had made. With Mr. Green's help, he was able to protect the air.



Complete the **Design an Alternative Fuel Vehicle** activity on the next page.

DESIGN AN ALTERNATIVE FUEL VEHICLE

1. Finish drawing an alternative fuel car.
2. Draw yourself in the driver's seat.
3. Give it a funny name.
4. Fill in the story blanks below.

This is a _____

It can go _____
(fast/slow)

It has four _____
(wheels/doors)

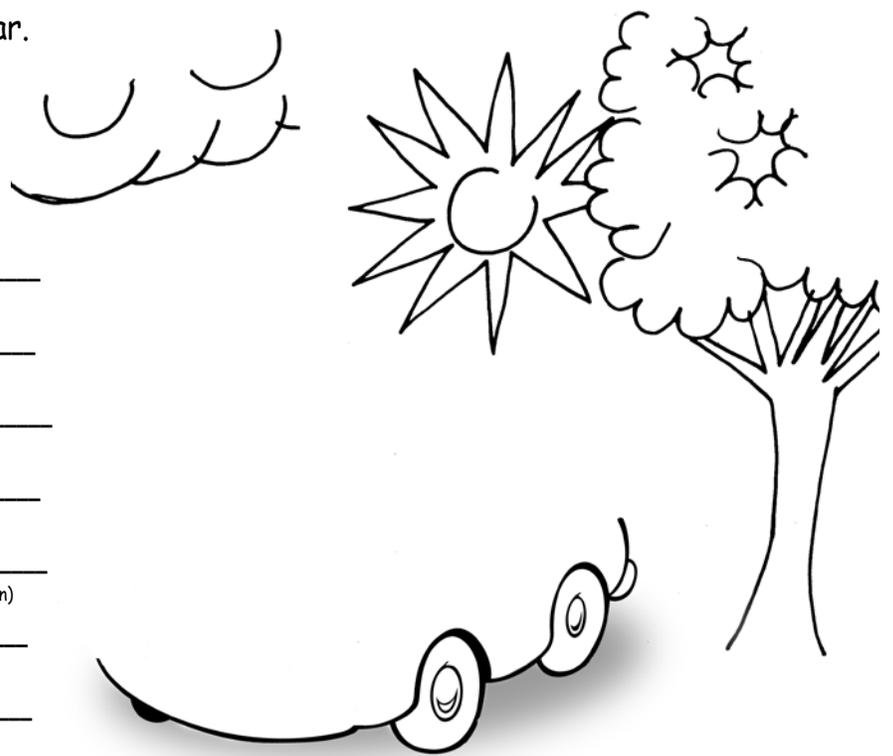
and two _____
(wheels/doors)

Its color is _____
(the color is in your marker or crayon)

It is a _____
(car/truck)

It is _____
(big/little)

It is _____
(super/great/silly)



ARNIE DECIDES TO CARPOOL

Arnie grabs a drink out of the refrigerator. All this thinking was making him thirsty! As he pours himself some juice, the phone rings; it's Annie!

"Hi Arnie. I was thinking some more about how you should travel to my party and I remembered that a few of the other guests could use a ride to my house. I think that carpooling to the party would be a great way to get here. What do you think?"

"I think you're right Annie. One car on the road is better than five!"



Complete the **How to Un-Jam the Traffic** activity on the next page, and then continue to page 20.

HOW TO UN-JAM THE TRAFFIC

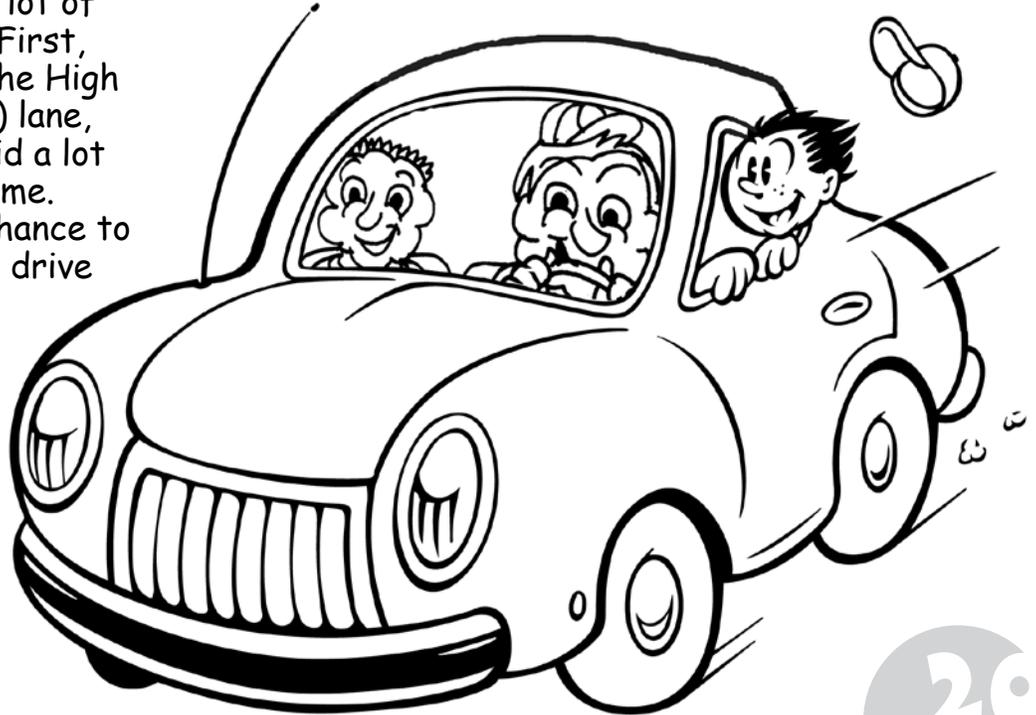


There are seven cars in a traffic jam. Count the number of people in each of the cars. If each car can hold a total of five passengers, how many cars should actually be on the road?



ARNIE DECIDES TO CARPOOL

Arnie says goodbye to Annie and calls his friends. They all agree to ride together. Arnie realizes that there are a lot of good reasons to carpool. First, they are able to ride in the High Occupancy Vehicle (HOV) lane, which allows them to avoid a lot of the traffic and save time. Second, they all have a chance to talk and catch up as they drive to Annie's house. Finally, because they all chipped in for gas, they all saved money! Arnie and his friends decide to spend their savings on a really nice gift for Annie.



Go to page 28

ARNIE DECIDES TO WALK

Since it's a nice day outside and the air quality index is in the "good" range, Arnie decides to walk to Annie's party. Arnie enjoys his walk to Annie's house and takes in all the beautiful things around him, like the beach, the trees and the flowers in the park.

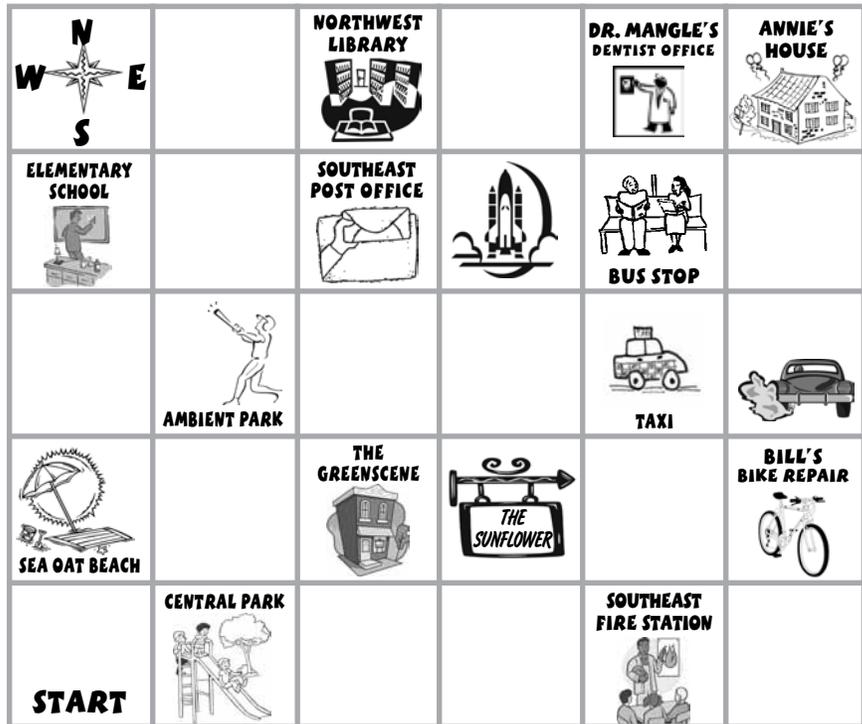
When people are moving from one place to another, they often need a map to help them find their way. Maps include a compass to show which way is north, south, east and west.

Use the map on page 22 to help Arnie walk to Annie's house.



USING A MAP

- From Start go north one block.
This is Arnie's favorite place to go on the weekends. It is called _____.
- Now go east one block and north one block. Arnie and his friends usually stop at _____ after school to play baseball.
- Arnie would like to get Annie a nice gift. Walk two blocks east and south one block. Here you will find Annie's favorite nature store, The _____.
- From the store, walk east one block and north two blocks. What form of transportation is offered here that Arnie can use to return home after Annie's party?
_____.
- Finally, walk north one block and east one block.
Congratulations! You have made it to _____!



TAKE THE TRI-RAIL

Arnie suddenly realizes that this would be a great opportunity to take Tri-Rail. His dad rides it to and from work everyday. "And if dad can do it, so can I," Arnie says to himself.

After a moment of shuffling through some papers on his desk, he pulls out a Tri-Rail brochure. On the cover is the phone number, **1-800-TRI-RAIL**, and web site, www.tri-rail.com. He decides to call for up-to-date fare and schedule information.

Arnie leaves for the Tri-Rail station and arrives with enough time to buy his ticket and find a good seat. On his way to the station he had picked up a birthday card for Annie. Now he would have time to write her a nice birthday note.



TRI-RAIL FACTS

To find out some facts about Tri-Rail, solve the math problems below. Write the letter that corresponds with the answer every time you find it in the puzzle below.

| | | | | | | | | |
|------------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|------------------------------|--------------------------|-----------------------------|-----------------------------|
| A $38 \times 24 =$ | D $624 \div 5 =$ | E $14 + 49 =$ | F $645 - 20 =$ | G $150 - 50 =$ | H $25 \times 34 =$ | I $352 - 37 =$ | K $38 + 16 =$ | L $380 \div 20 =$ |
| N $267 + 12 =$ | O $29 \times 17 =$ | P $37 \times 11 =$ | R $144 \div 12 =$ | S $794 + 35 = 829$ | T $15 \times 14 =$ | U $25 - 12 =$ | V $962 \div 13 =$ | W $8 \times 2 =$ |

1. Tri-Rail operates S ___ ___ ___ days a week.

829 63 74 63 279

2. Fare and schedule information can be obtained by calling 1-800-___ ___ ___ - ___ ___ ___

210 12 315 12 912 315 19

3. Tri-Rail can get you to where you want to go for as low as _____!

210 16 493 629 493 19 19 912 12 829

4. _____ can travel for half price with a valid identification card.

829 210 13 629 63 279 210 829

5. Tri-Rail is a form of "mass _____."

210 12 912 279 829 315 210

Go to page 28

ARNIE DRIVES ALONE

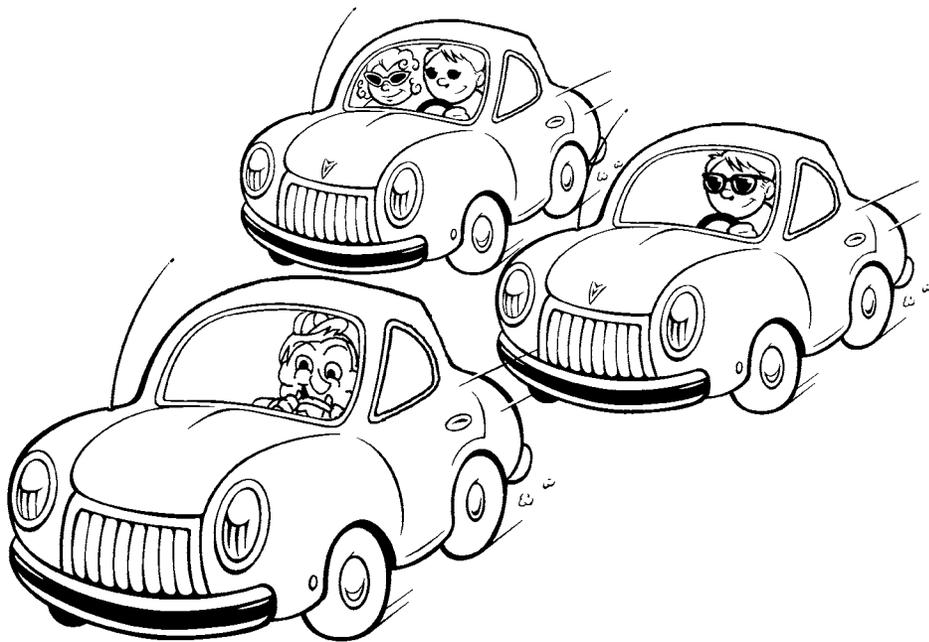
Arnie has a busy afternoon ahead of him. He has to go to the bank to get some money to buy Annie a present, go to the gift store to buy the gift, and then go to a stationary store to buy a card. Because he has so many stops to make, Arnie decides to take his car.

At the bank, Arnie parks the car and walks inside. Unfortunately, Arnie doesn't have much money in his bank account because he just had to take his car in for regular maintenance. "Wow!" Arnie thinks as he takes his money from the ATM, "It sure is expensive to own a car!"



ARNIE DRIVES ALONE

Arnie stops and gets Annie a gift and a card. On the way to Annie's house, he gets caught in a traffic jam. He looks around and notices that most of the cars around him have only one person in them. "Hmmm..." thinks Arnie, "If people took the bus, walked, carpooled or biked, I guess there would be a lot less cars on the road and fewer traffic jams. Maybe next time I'll go to Annie's using a different type of transportation."



Finally Arnie makes his way through the traffic and gets to Annie's house. He's a little late, but just in time for some cake and ice cream!

Complete the **Car Maintenance Scramble** activity on the next page.

CAR MAINTENANCE SCRAMBLE

Proper car maintenance and driving habits help keep the air clean. Unscramble the car maintenance phrases below to find a coded message from Arnie.

1. ckceh eirt ssepurer

1 12 3 8 15 18

2. echnga het ilo

13 5 7 10 22

3. egt a enut-pu

2 20

4. seu rciues lrocnto

16 23 4 14 9 17

5. ufle terfa krad

19 11 6 21

Message:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23



A PARTY FOR ANNIE

Arnie arrives and Annie's birthday party is in full swing. Annie's backyard is decorated with balloons and streamers. They play lots of games and eat cake.

It's a great party!

Arnie looks up at the clear blue sky and thinks about how his choices today helped to keep the air clean. He'll be sure to share what he has learned with all his friends!

THE END



ARNIE AIRHEAD WORD SEARCH

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

Find the following words:

pollutants

bus

tri rail

AFV

ozone

conservation

bicycle

walk

air quality

airshed

transportation

choices

maintenance

carpool

emissions

ARNIE'S ADVENTURE ANSWER KEY

SPOTLIGHT ON BIKE SAFETY

PAGE 13

1. Right-hand, Never
2. Stop
3. Parked
4. Signs, Intersections
5. Reflectors

HOW TO UN-JAM

THE TRAFFIC

PAGE 18

1. 2 Cars

USING A MAP

PAGE 21

1. Sea Oat Beach
2. Ambient Park
3. The Sunflower
4. Bus Stop
5. Annie's House

TRI-RAIL FACTS

PAGE 23

1. Seven
2. Tri-Rail
3. Two Dollars
4. Students
5. Transit

CAR MAINTENANCE SCRAMBLE

PAGE 26

1. ckceh eirt ssepurer
check tire pressure
1 12 3 8 15 18
2. echnga het ilo
change the oil
13 5 7 10 22
3. egt a enut-pu
get a tune-up
2 20
4. seu rciues lrocnto
use cruise control
16 23 4 14 9 17
5. ufle terfa krad
fuel after dark
19 11 6 21

Message:

Car Care Protects Clean Air!
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

ARNIE AIRHEAD WORD SEARCH

PAGE 28



BE PART OF THE SOLUTION, STOP AIR POLLUTION!

CLEAN AIR RESOURCES



BROWARD COUNTY:

www.broward.org/air

BROWARD COUNTY ENVIRONMENTAL KIDS CLUB:

www.broward.org/kids/environment.htm

ENVIRONMENTAL PROTECTION AGENCY:

www.epa.gov

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION:

www.dep.state.fl.us/air

AMERICAN LUNG ASSOCIATION:

www.lungusa.org • 1-800-LUNG-USA

COMMUTER SERVICES:

www.1800234ride.com • 1-800-234-RIDE

BROWARD COUNTY TRANSIT:

www.broward.org/bct • 954-357-8400

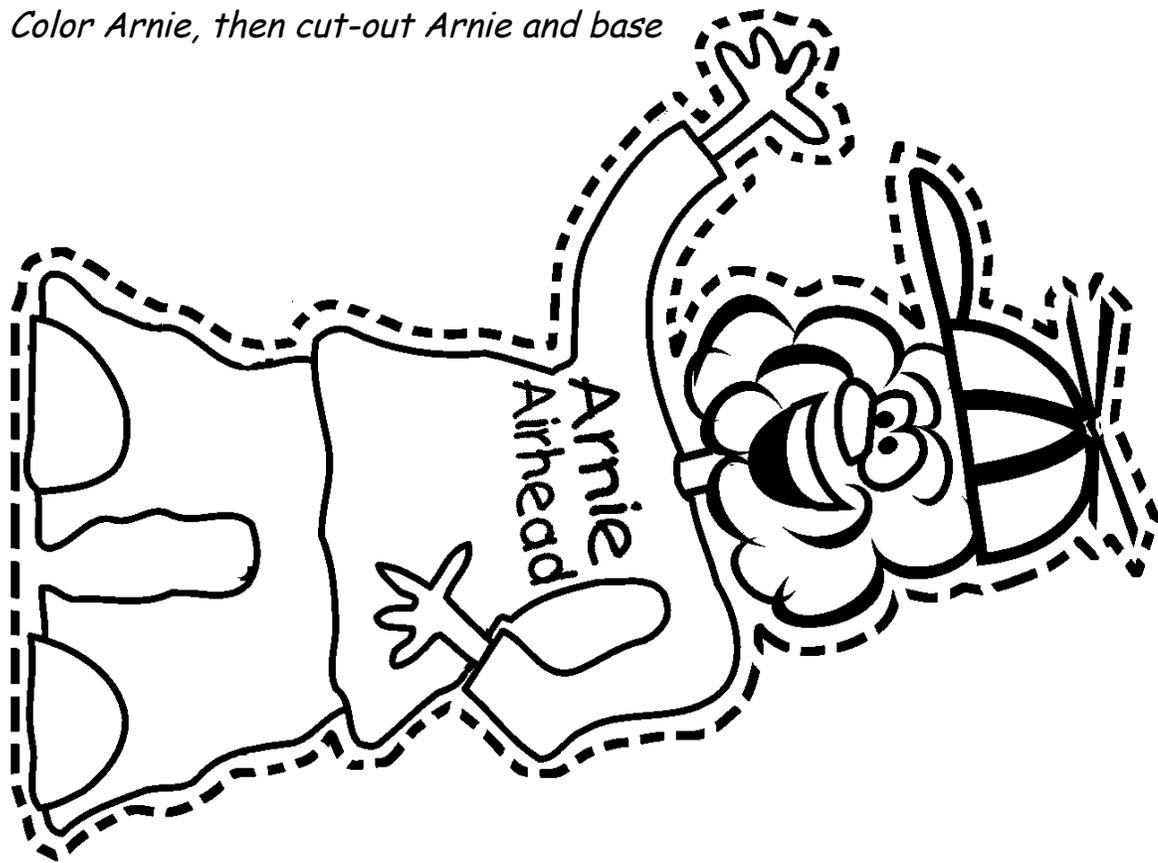
SOUTH FLORIDA REGIONAL TRANSIT AUTHORITY (SFRTA)

TRI-RAIL:

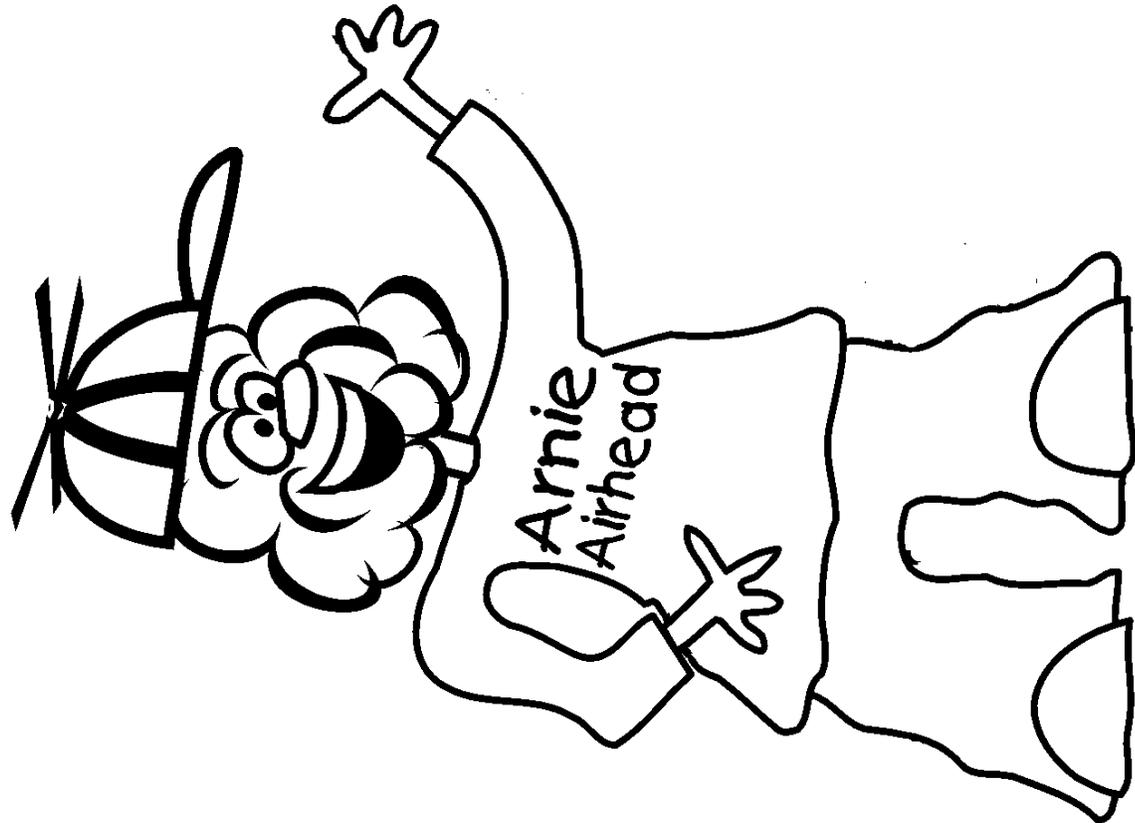
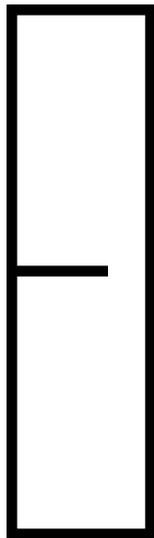
www.tri-rail.com • 1-800-TRI-RAIL

ARNIE'S ADVENTURE CUT-OUT

Color Arnie, then cut-out Arnie and base



ARNIE'S ADVENTURE CUT-OUT





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BOARD OF COUNTY COMMISSIONERS**

AN EQUAL OPPORTUNITY EMPLOYER AND PROVIDER OF SERVICES.

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954-519-1260
WWW.BROWARD.ORG/POLLUTIONPREVENTION**

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