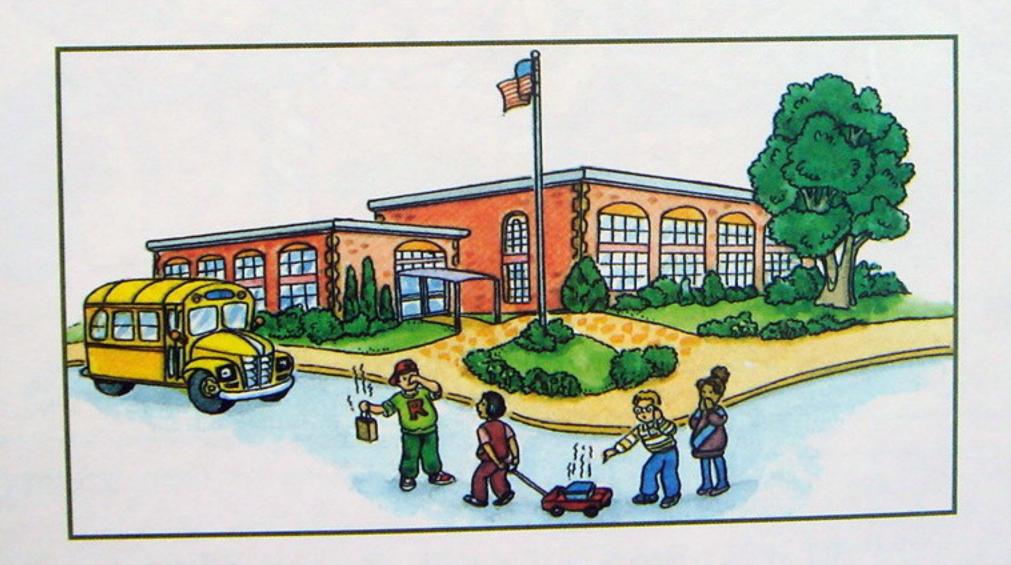


The Lagie School Bus



MEETS THE ROT SQUAD

A BOOK ABOUT DECOMPOSITION



SCHOLASTIC INC.

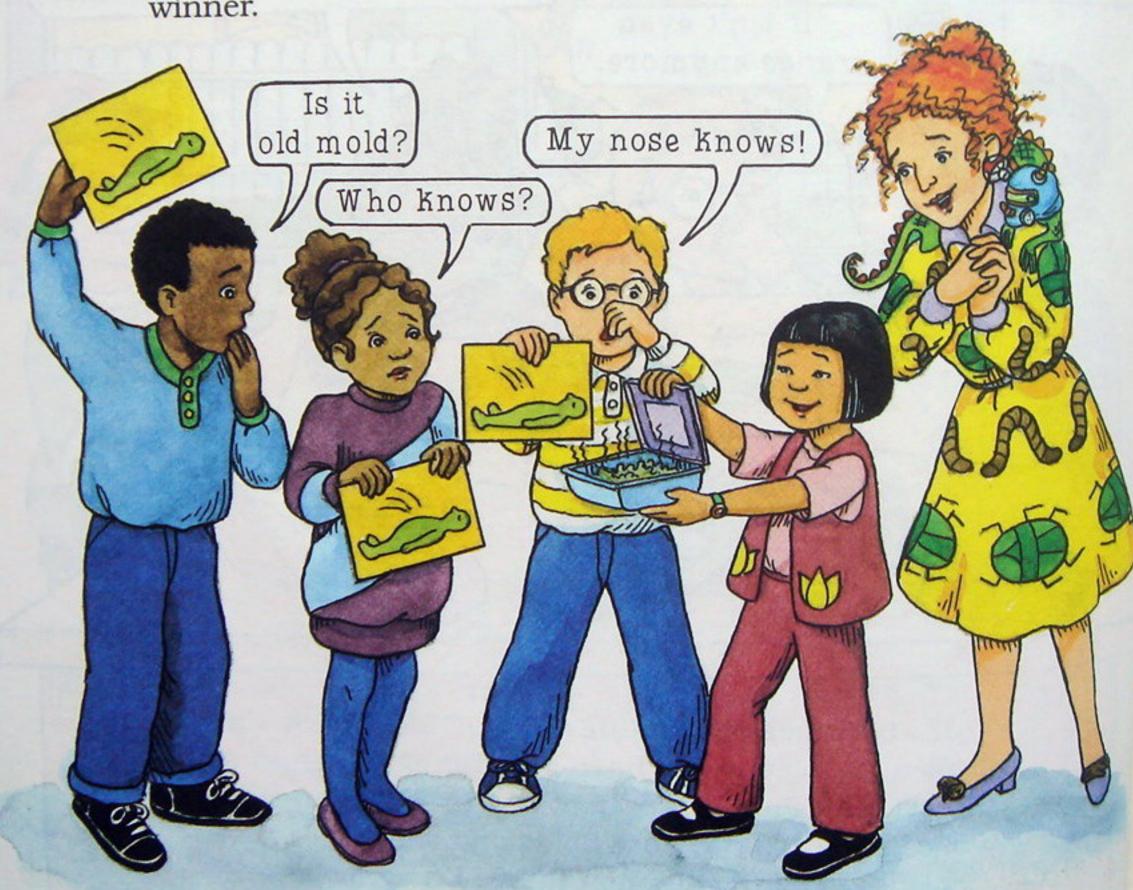
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Then it was Wanda's turn. She had something really rotten in a plastic tub. It looked all black and moldy. "It's been in my refrigerator since I was four years old," she told us.

The Friz could hardly wait to see what it was. Whatever it was, the judges gave Wanda three faints. She was the winner.





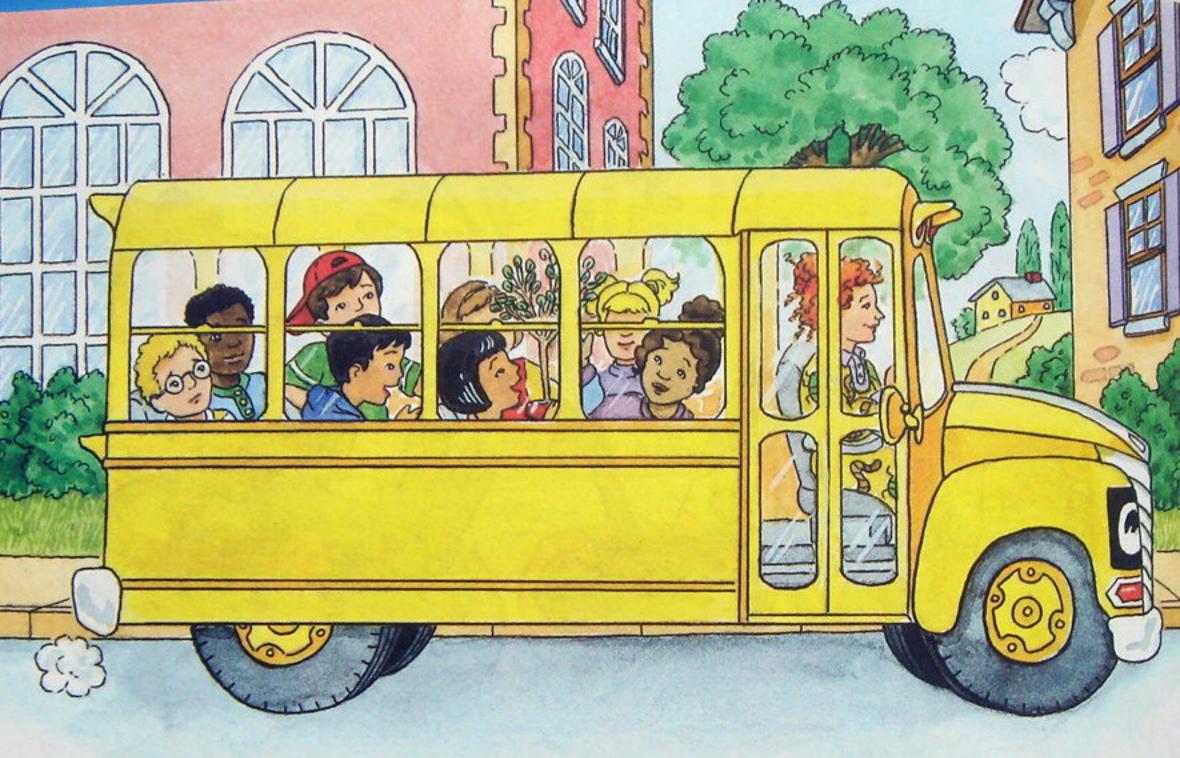
"To congratulate you," said Ms. Frizzle, "I have a little prize." Then she gave Wanda a baby tree.

Wanda seemed confused. "I really like it," she said, "but it's not rotten or anything, is it?"

Keesha said, "It's so . . . alive."

"That's right, Keesha," said the Friz. "It's very alive, and so is rot!"

Really? We were very surprised.



Wanda said she wanted to plant her tree in an empty lot near her home.

"To the bus, class. Two by two," said Ms. Frizzle. And in no time we were riding through town.

On the way Keesha asked, "Why do you want to put your nice tree in that ugly old lot?"

"It's filled with lots of dead stuff," added Carlos.

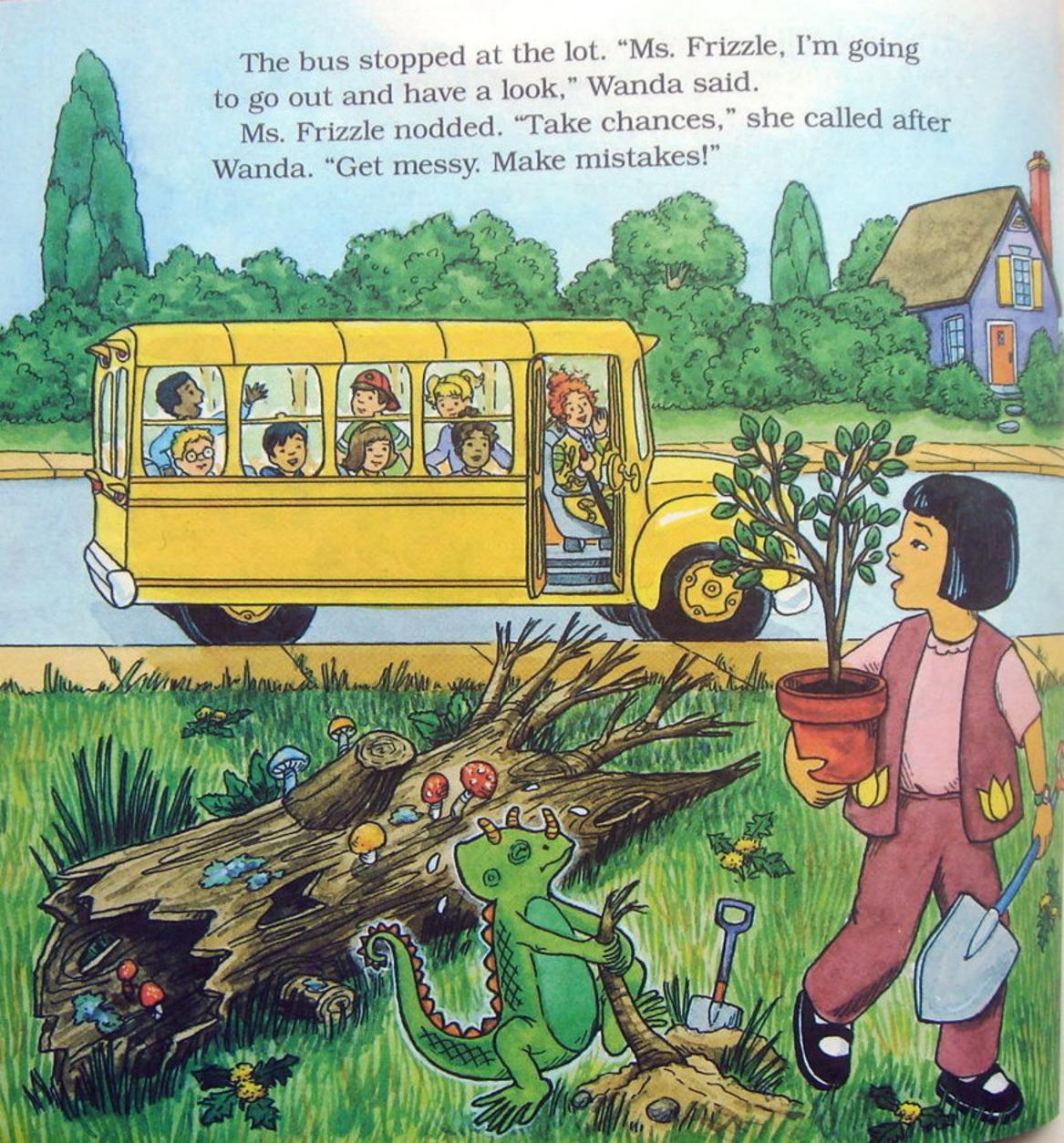
"That's the point," said Wanda. "We can make the lot beautiful. We'll clear out all the dead stuff and plant my lovely tree." "The tree will look great when it gets big," Wanda told us.
"The lot can become a little park. We could call it Wanda
World!"

"What about a theme park?" Carlos suggested.

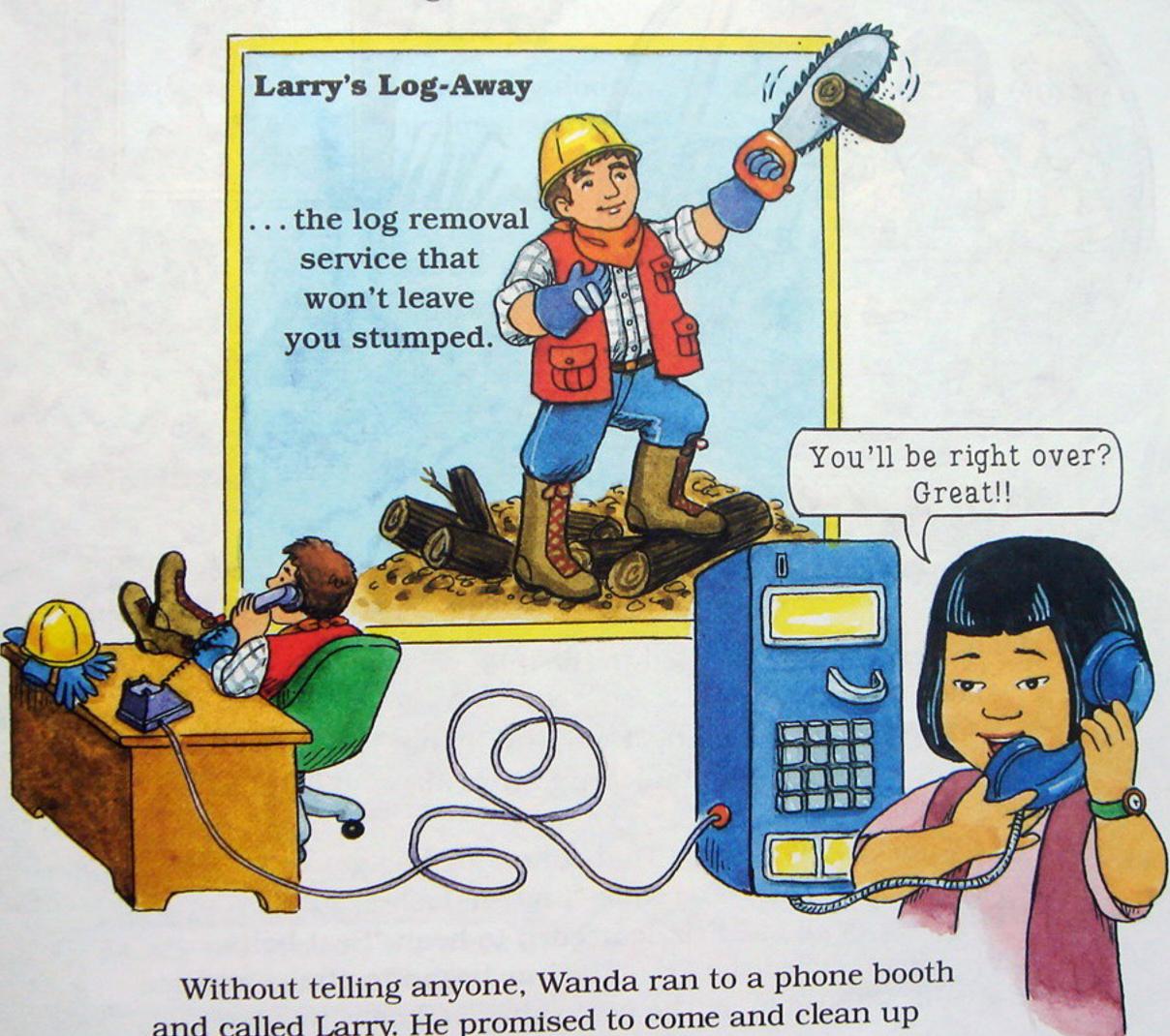
"And the theme could be rot!" cried Dorothy Ann. "We'll call it Rot Land."

Keesha wanted to open a restaurant. Phoebe wanted to build a recycling center.





While we were still thinking of ways to use the lot, Wanda saw a sign:



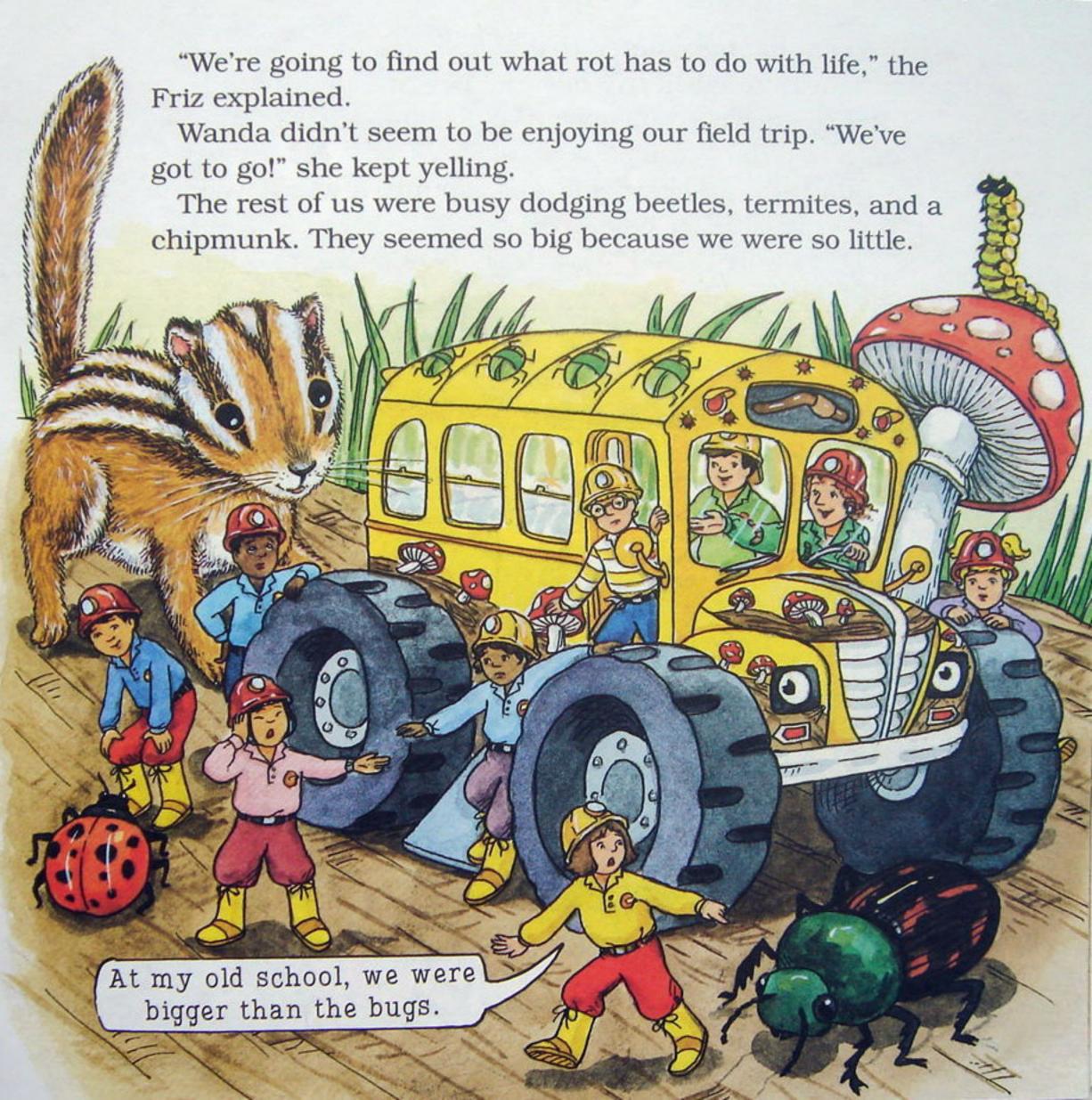
and called Larry. He promised to come and clean up the lot right away.



Then Arnold shouted, "Hold it! Why not leave this place just the way it is? If you leave nature alone, it'll get along just fine."

Wanda didn't agree. "That rotten log has got to go. It's dead! It's useless," she said. "I mean, look at it."

That was all Ms. Frizzle needed to hear. "Seat belts, everyone!" called the Friz. The bus began to shake and shrink with us in it. The next thing we knew, we were smaller, and driving over a log in the lot.



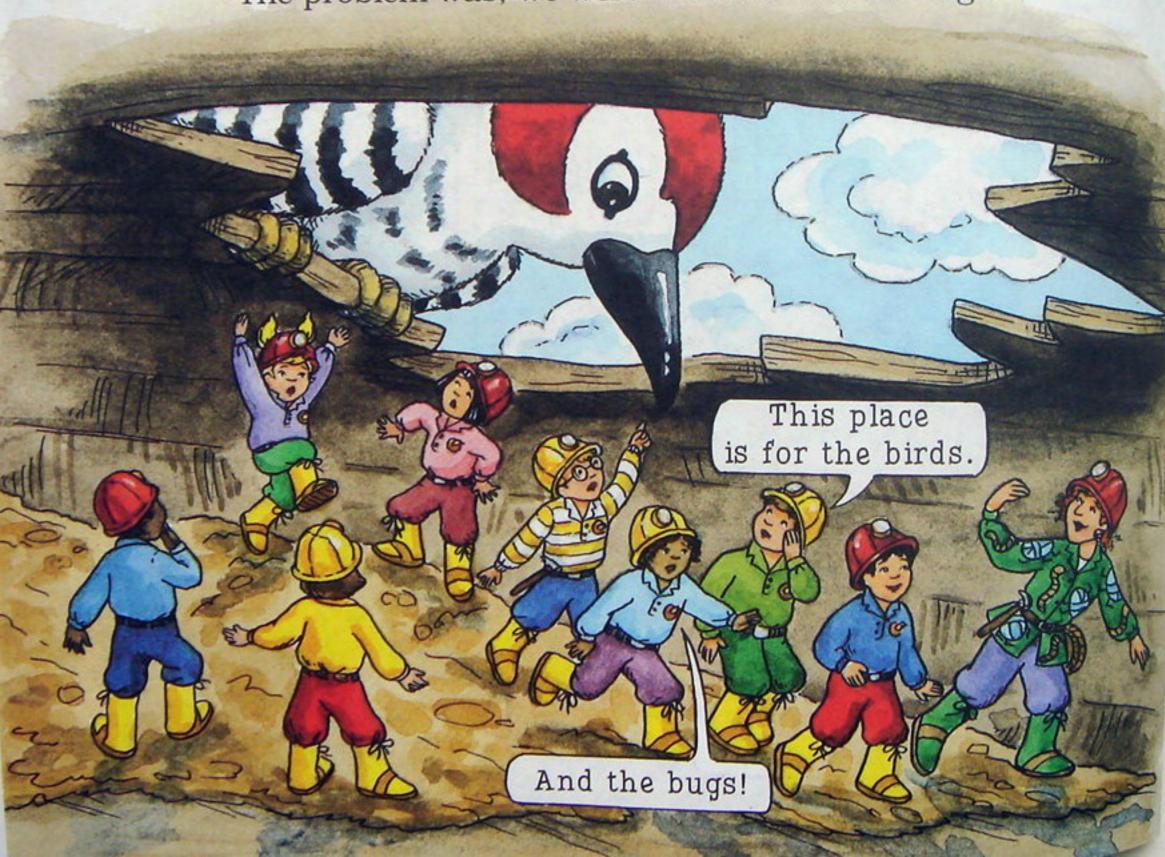
Then Ralphie pointed to a hole.

"Our rotten field trip has just begun," said the Friz. And she marched us down the hole into the log. We entered a dark tunnel.

Suddenly, we heard a strange sound. It was a woodpecker looking for its dinner.

"Don't worry," said Ms. Frizzle. "Woodpeckers only eat bugs."

The problem was, we were the same size as bugs.





end of the tunnel. Ms. Frizzle said it was a bessie bug — a kind of beetle.

"They make the tunnels in the log," she explained.



We were glad when the bus squeezed its way through the tunnel. It looked a little different, though. We followed the

bus down the tunnel.



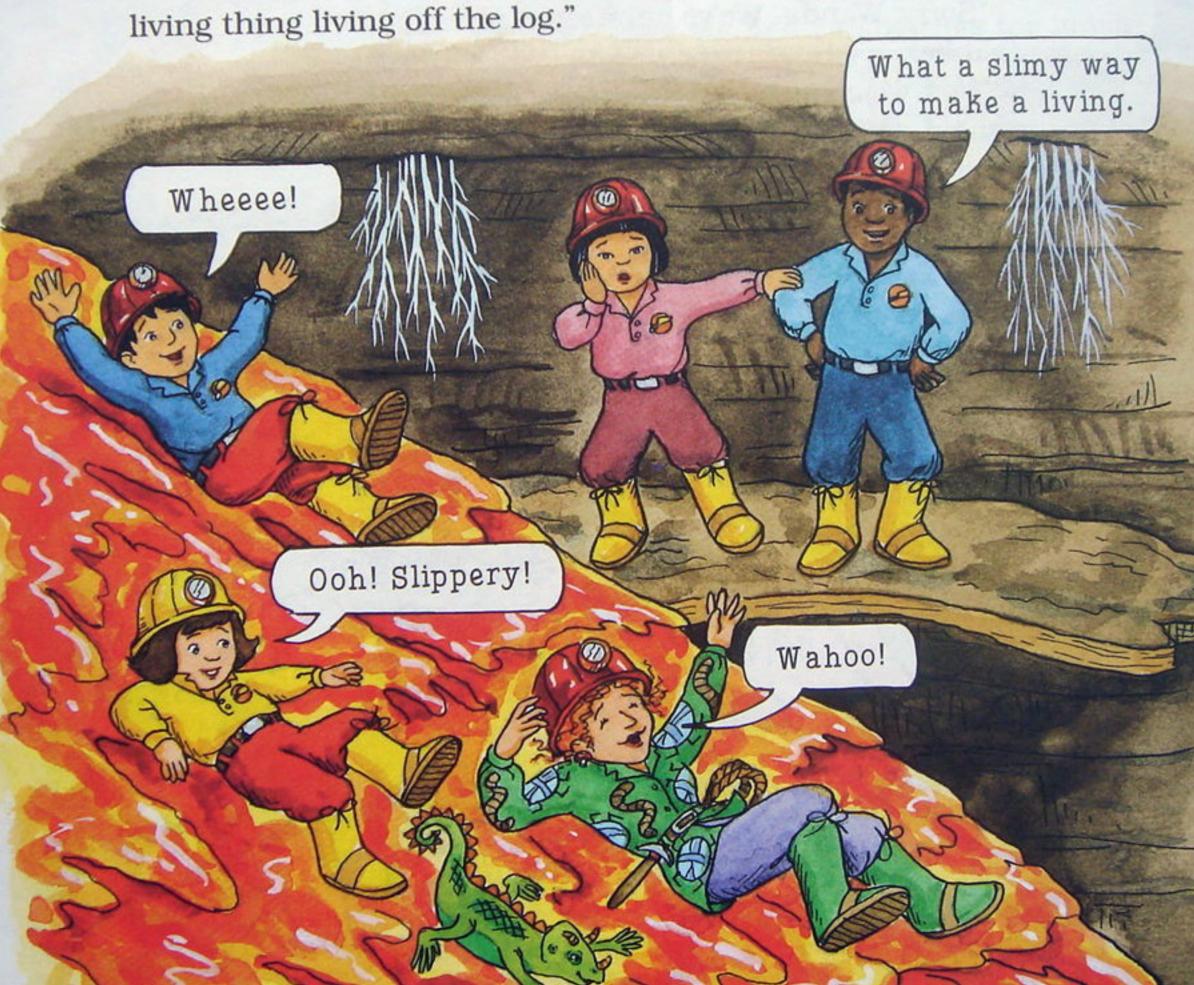
We came to a place with lots of threads. Dorothy Ann told us they were from mushrooms that grew on the outside of the log. "According to my research, they eat the wood and help rot the log," she said.

"Who would have known a dead log could be so full of life?" said Keesha.

Wanda was still trying to get us out of there. "We might become somebody's lunch," she warned.

This didn't bother the Friz. She jumped on a slimy slide and yelled for us to follow.

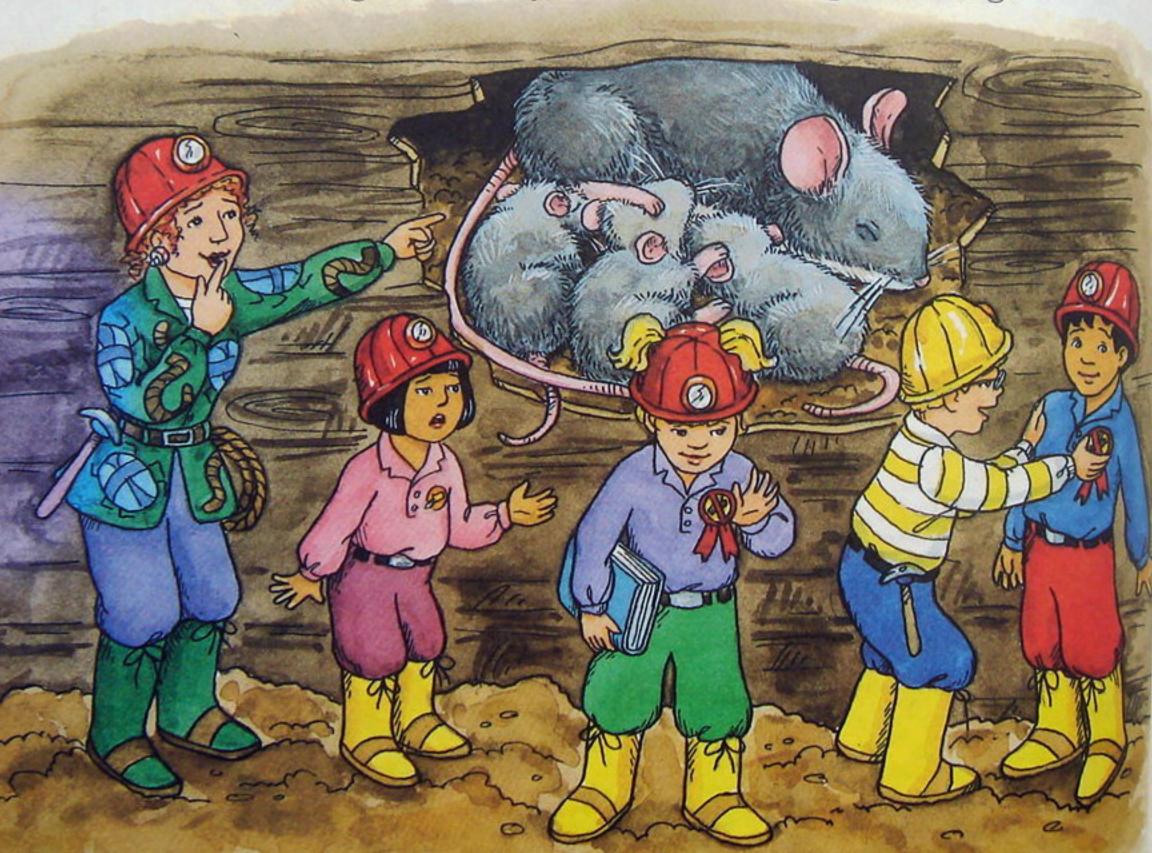
"It's a slime mold — a kind of fungus," she said. "Another

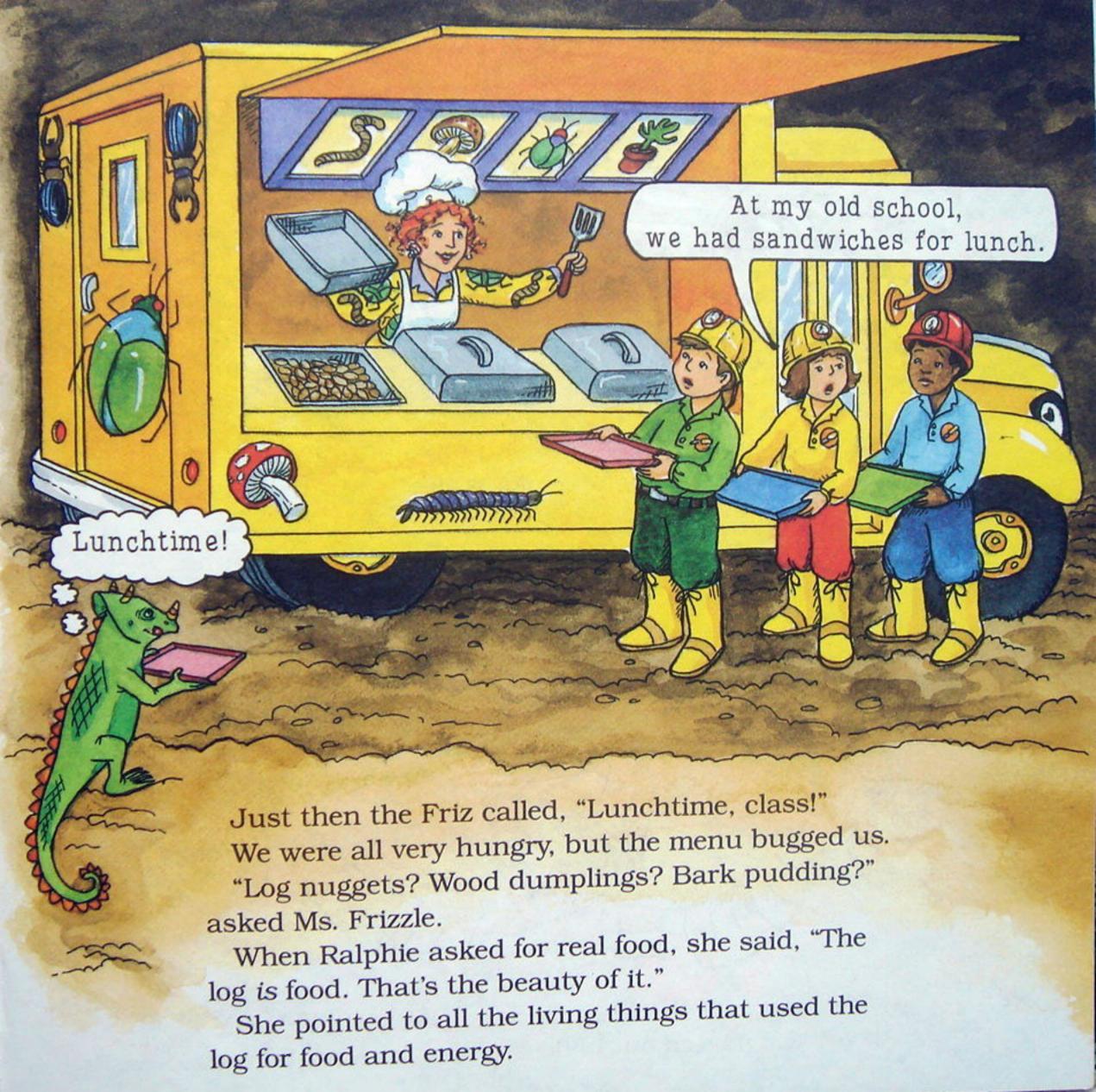


Ms. Frizzle pointed out a family of mice sleeping in the log. "See? The log gives some animals shelter," she said. "You know," said Dorothy Ann, "this place is stunningly stupendous just the way it is."

"Wait!" said Wanda. "What about taking this log away?" "Sorry, Wanda. We've changed our minds," Carlos told her.

"Hey, welcome to the Keep the Log as It Is Club," said Arnold. He gave Dorothy Ann and Carlos special badges.







"So let's just get out of here and open our own restaurant," said Wanda. As she spoke, a beetle ran by and caught a grub.

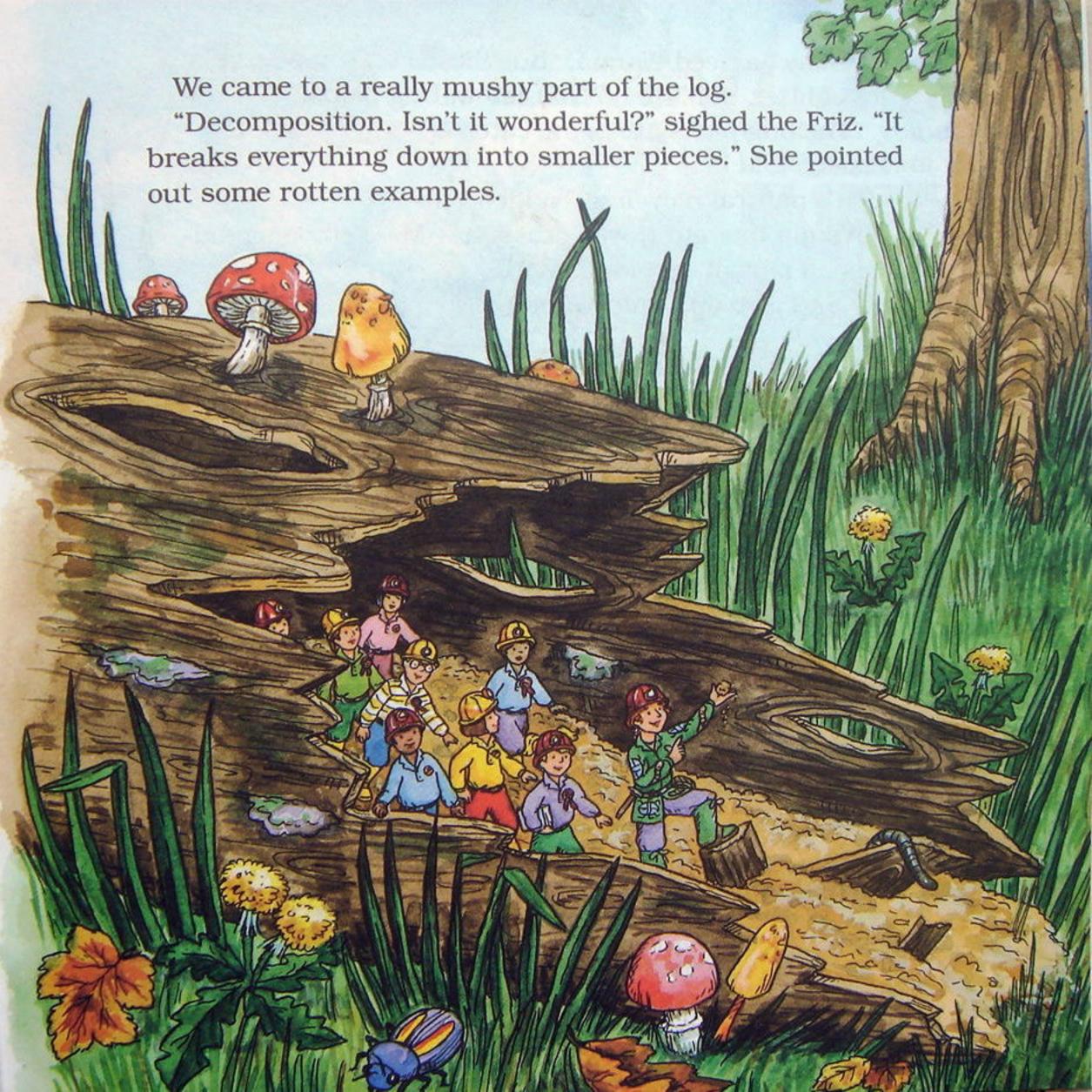
"The beetle is having the grub for lunch," said Ralphie.
"Right," agreed Keesha. "Everywhere you look, it's

lunchtime."
Ralphie nodded. "This place is already

Ralphie nodded. "This place is *already* a restaurant. Sorry, Wanda, we don't want to clear it away anymore."

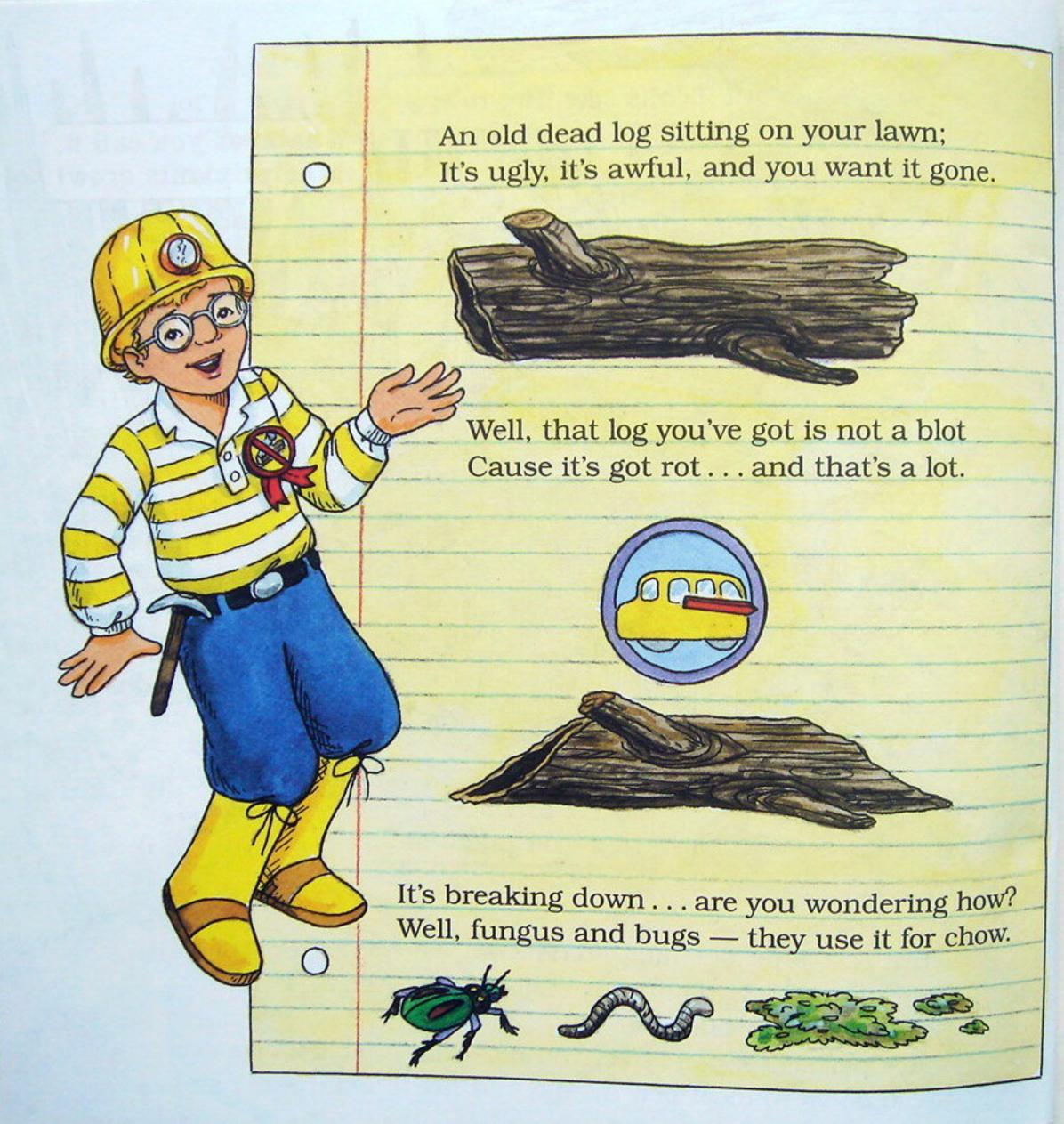


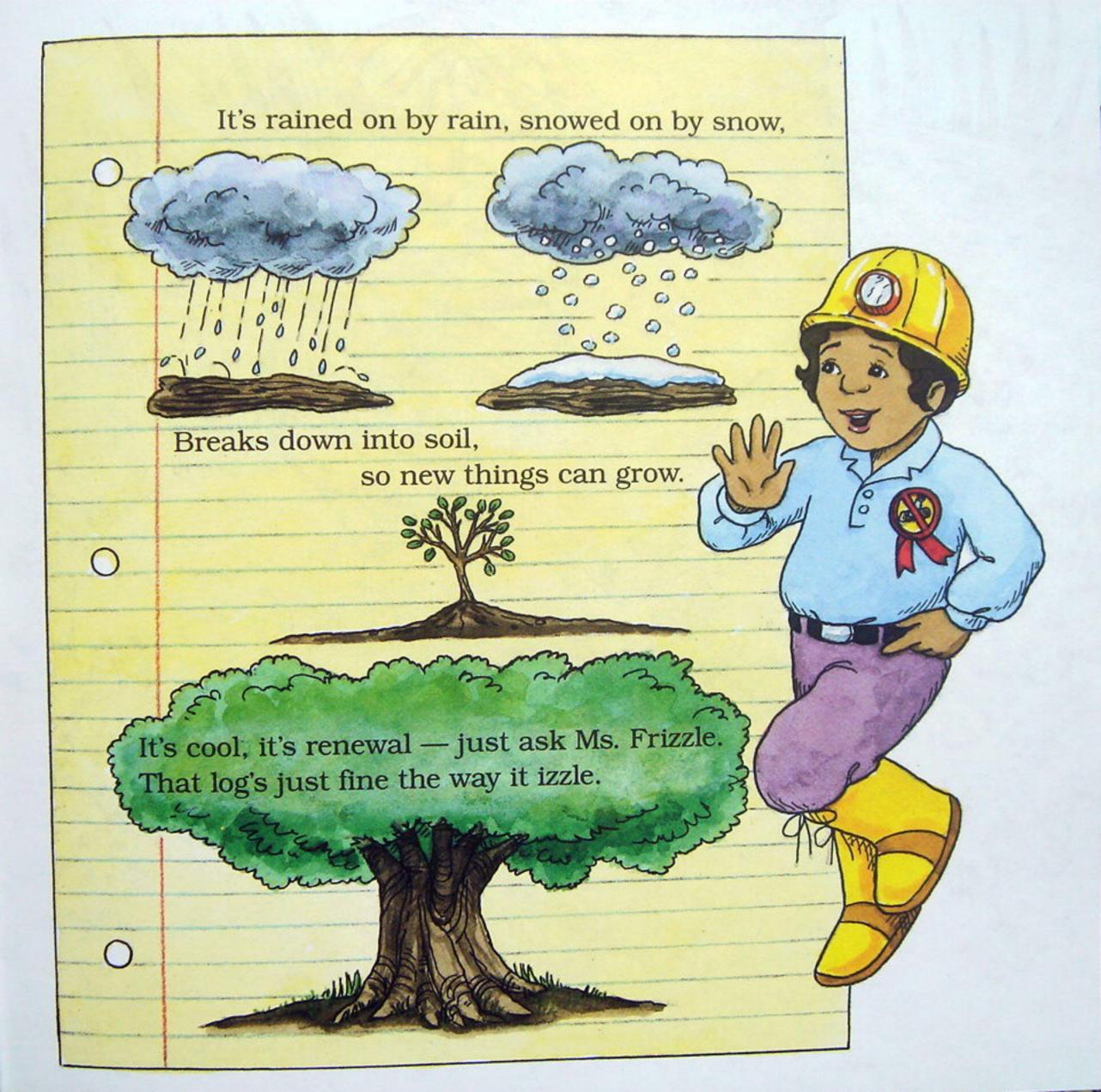
"Two more for the Keep the Log as It Is Club," yelled Arnold. He passed out badges to Keesha and Ralphie.

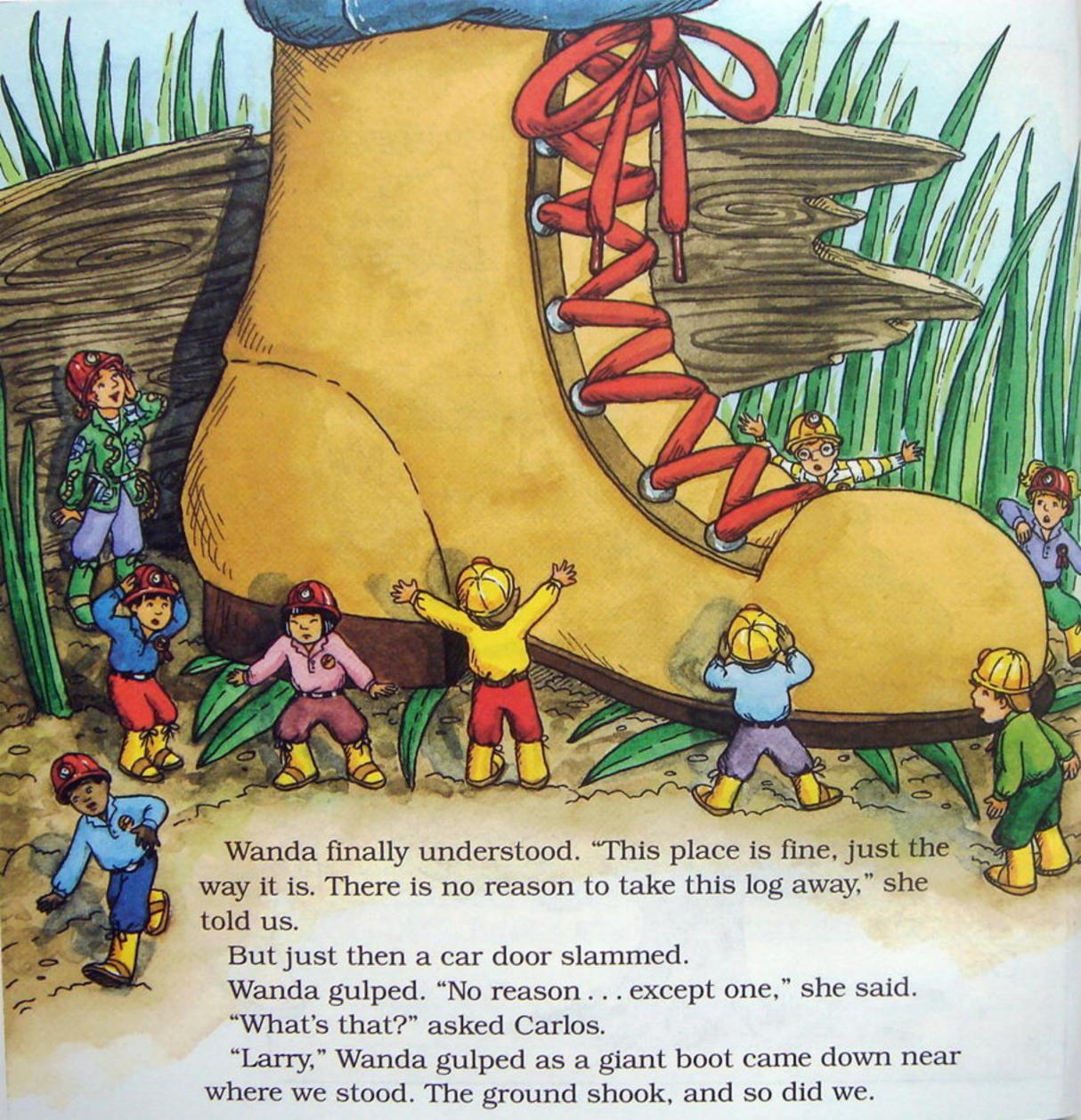














While we were shaking and quaking, Wanda thought of a plan. She explained it to Ms. Frizzle.

"Good idea," said the Friz. Then she whistled to the bus.

"Come on, guys. I need your help," said Wanda, and we all began to dig out the bus.







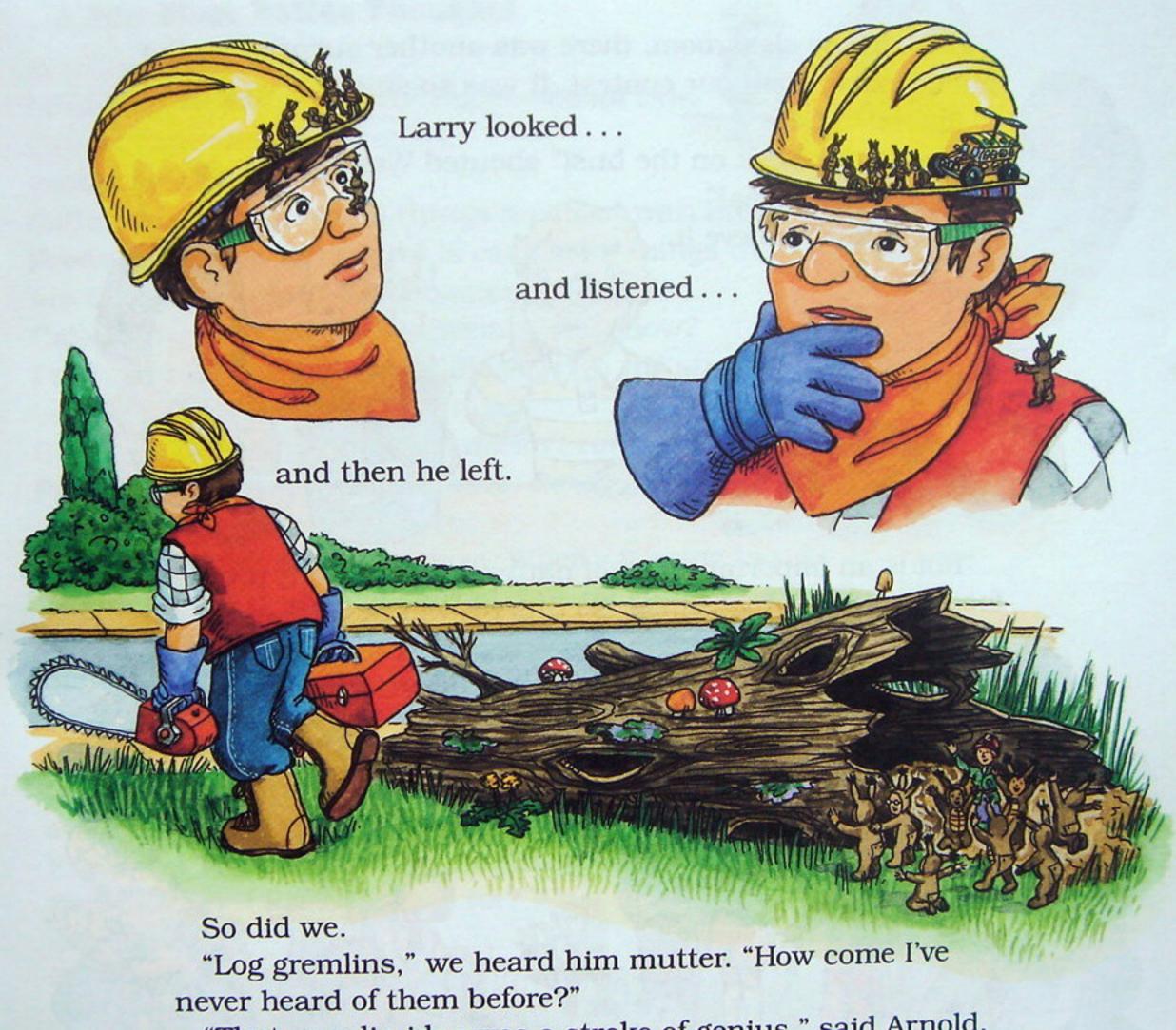
Then we all climbed out, and Wanda started shouting to Larry. He was certainly surprised. Log gremlins were new to him.

"What do you see when you look around here?" Wanda asked him.

"A routine log removal," answered Larry.

"Well, look again," said Wanda. Then she told Larry about all the life in the log. She explained that rot is wonderful and necessary.

"All those creatures are nature's Rot Squad. They're how nature recycles itself and makes new from the old," she said.



"That gremlin idea was a stroke of genius," said Arnold.

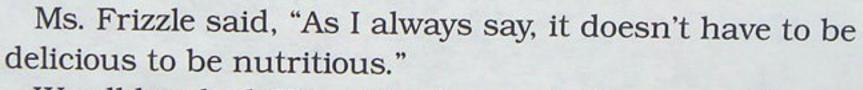
"Thanks, Arn," said Wanda. "But from now on I'm going to leave rot alone."

Back in the classroom, there was another surprise — the bucket of rot from our contest. It was so smelly it was hard to ignore!

"Everybody back on the bus!" shouted Wanda. "I've got



"Rot is an important part of nature," she said. "It provides food for other living things. So this rot will be a treat for my tree!"





A Few More Rotten Thoughts

Rrrrring.

Producer: Hello. This is the Magic School Bus.

Caller: That show was rotten.

Producer: Thank you.

Caller: But not all rotten things are filled with bugs.

Producer: Right. Lots of rot is caused by things that

are too small to see — like bacteria.

Caller: So? Why weren't bacteria in the show?

Producer: We wanted to shrink down to the size of

bacteria, but Arnold wouldn't go.

Caller: Is there anything that doesn't rot?

Producer: Not if it was once alive. Plants, animals, bacteria

all decompose after they die.

Caller: A log fell near my house. When's it going to rot?

Producer: It has already started, but rot can take a long

time — years, even.

Caller: Another thing — you left out one of my favorite

creatures, the earthworm.

Producer: Whoops!

Caller: Earthworms are very good at eating and plowing

and improving the soil.

Producer: Then that's what they should be left to do.

Caller: What if there were no rot? What if nothing ever

decayed?

Producer: The soil wouldn't get back the nutrients or

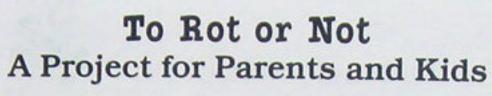
food that plants need to grow. So the plants would die.

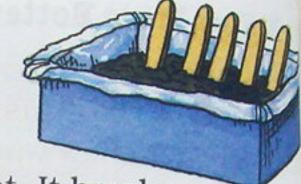
Caller: One more thing. Are there really log gremlins?

Producer: Well, er . . . Larry thought so.

Caller: Hmmm ...







Ms. Frizzle's class learned that rot is important. It breaks things up, and it helps the soil. So what about things that don't rot? What happens to them? Try this to find out.

- 1. Line the inside of a shoebox with plastic.
- 2. Fill the shoebox halfway with soil from outside.
- Bury five things some grapes, a safety pin, a piece of paper, a lettuce leaf, a ballpoint pen — a few inches deep in the box.
- 4. Label five Popsicle sticks with the names of the things you buried. Place these in the soil as markers.
- Make a chart like the one below. Tell what you think will happen. After several weeks, check to see what does happen.

6
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Garbage	My Prediction	My Observation
grapes		
safety pin		
paper		
lettuce leaf		
ballpoint pen		

Something to Think About: What happens to things that rot when you throw them away? What happens to things that don't rot? Why is it important to recycle things that rot?