

TECH FOR EVERYONE

Grades K–2

Intro to AI Story Book

Revised Edition



Three read-aloud stories about Leo and Bip the robot, Maya and Chef-Bot, and Class 2-B with Fair-Bot, one for every chapter of Hello, Robot Friends! With picture questions, a saying to learn, and a picture to draw.

Name: _____

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Reading Along

One story per chapter. Read it before the chapter as a hook, or after as a review. The **bold words** are the chapter's Words to Know; pause on them. Every story ends with the chapter saying: say it together, twice.

After each story: two **picture questions** (the child circles a photo, so no reading is needed), three **Talk About It** questions, and a **Draw It** box. Answers are at the back.



The three sayings

“Clear words help robots.” · “Step by step, then check!” · “People are in charge.”

STORY 1 · CHAPTER 1

Bip and the Tricky Picture

Leo, a little robot named Bip, and a drawing of a cat



Bip was a little robot with a shiny metal head. Bip had two camera lenses for eyes.

One day, Leo showed Bip a drawing. "Look, Bip! It's a cat!" Leo said.

Bip's camera eyes zoomed in. *Click-whirrr*. Bip did not feel fuzzy fur. Bip did not hear a meow.

Inside Bip's computer brain, the picture turned into a giant grid of tiny squares. "I see **pixels**," Bip beeped. "I see bright orange squares and dark black squares. I see numbers."

"Numbers?" Leo giggled. "It's a cat, Bip! Look at the shape. It has pointy ears and whiskers."

Bip looked again. Bip looked for a **pattern**. Two triangles on top. Whiskers on the sides. "Processing..." Bip said. "Pattern found! It is a cat."

"You did it!" said Leo. "Now, Bip, pick it up."

Bip stopped. "Pick up what? The cat? The paper? The crayon?"

Leo thought about it. Bip did not have **common sense**. Bip only knew what it was told.

"Pick up the **paper** with the cat drawing," Leo said, nice and clear.

Bip's arm reached out and picked up the paper. "Task complete!"

"Clear words help robots," said Leo. And Bip beeped a happy beep.

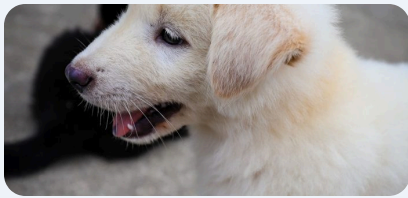
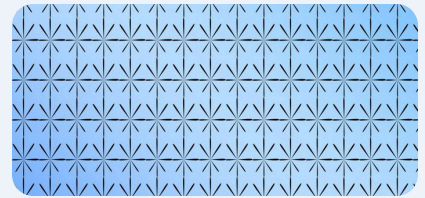
Say it together: "**Clear words help robots.**"

STORY QUESTIONS

Bip and the Tricky Picture

Chapter 1: How Robots See and Talk

Name: _____ Date: _____

*A grown-up reads each question out loud. Circle the picture that answers it.***1 What did Bip see when it looked at the cat drawing?****A** a puppy**B** a real cat**C** a grid of numbers**2 Which part of Bip sees the picture?****A** the microphone**B** the speaker**C** the camera eyes**Talk about it**

- What did Bip see when it looked at the cat drawing?
- Why did Bip get stuck when Leo said 'pick it up'?
- Can you give a robot one clear instruction right now?

DRAW IT

Bip and the Tricky Picture

Chapter 1: How Robots See and Talk

Name: _____ Date: _____

How did you like the story? Circle one.

I loved it



It was good



I have a question

Draw it! Draw Bip looking at the cat picture. Show the tiny squares Bip sees!

DRAW IT HERE

My favorite part was _____

STORY 2 · CHAPTER 2

The Sandwich Step by Step

Maya, her kitchen robot Chef-Bot, and one very messy sandwich



Maya wanted to teach her kitchen robot, Chef-Bot, how to make a peanut butter sandwich.

"It is easy, Chef-Bot," Maya said. "Just put the peanut butter on the bread."

Chef-Bot's computer brain started thinking. It made a map of all its choices, like a tree with many branches. *Should I use the jar? Should I use a spoon? Should I use my hand?*

Chef-Bot grabbed the whole jar of peanut butter and plunked it right on top of a slice of bread. *Clunk!*

"Oh no!" cried Maya. "That is not a sandwich!"

Then Maya remembered. Robots follow **steps**. Chef-Bot needed an **algorithm**, a list of steps in order.

Maya gave Chef-Bot a new list. "One: pick up the knife. Two: scoop some peanut butter. Three: spread it on the slice. Four: put the other slice on top."

Chef-Bot followed the steps. One. Two. Three. Four. A perfect sandwich!

"Now let's practice," said Maya. She showed Chef-Bot three more sandwiches. Chef-Bot looked at each one. Peanut butter in the middle, every time. Chef-Bot found the **pattern**.

The next day, Maya asked for a jelly sandwich. Chef-Bot put the jelly in the middle. It had learned from the **examples**!

"Step by step, then check!" said Maya. And she took a big bite.

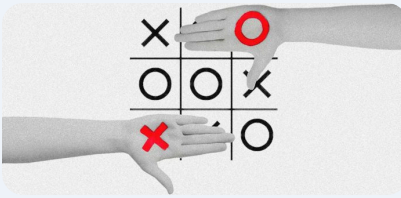
Say it together: **"Step by step, then check!"**

STORY QUESTIONS

The Sandwich Step by Step

Chapter 2: How Robots Think and Learn

Name: _____ Date: _____

*A grown-up reads each question out loud. Circle the picture that answers it.***1** What did Chef-Bot put on the bread the first time?**A** a finished sandwich**B** the whole jar**C** a knife**2** What did Maya give Chef-Bot so it could make the sandwich?**A** more blocks**B** a game to play**C** a list of steps**Talk about it**

- What went wrong the first time Chef-Bot made a sandwich?
- What is the name for a list of steps in order?
- How did Chef-Bot learn to make a jelly sandwich?

DRAW IT

The Sandwich Step by Step

Chapter 2: How Robots Think and Learn

Name: _____ Date: _____

How did you like the story? Circle one.

I loved it



It was good



I have a question

Draw it! Draw Chef-Bot's sandwich. Write the four steps next to it!

DRAW IT HERE

My favorite part was _____

STORY 3 · CHAPTER 3

The Fairness Fix

Class 2-B, a sticker robot, and a rule that was not fair



Class 2-B had a new helper named Fair-Bot. Fair-Bot's job was to hand out stickers at the end of the day.

"Line up!" said the teacher.

Fair-Bot scanned the line with its camera eyes. It gave a sticker to Sam. It gave a sticker to Raj. But when it got to Lily, Fair-Bot stopped. "No sticker," Fair-Bot said.

"Hey!" said Lily. "That's not fair!"

The teacher looked at Fair-Bot's screen. The class looked too. Fair-Bot had learned from pictures of kids getting stickers. In every picture, the kids wore sneakers.

Lily was wearing boots, because it was raining.

"Fair-Bot learned a **bad rule**," said the teacher. "It thinks stickers are for sneakers. That is not fair. Fair means everyone is treated the same."

"Robots do not know what is fair," said Sam. "People have to check."

So the class taught Fair-Bot a new rule: **Every student gets one sticker, no matter what shoes they wear.** They showed it pictures of kids in boots, sandals, and sneakers.

Fair-Bot scanned the line again. Sam. Raj. Lily! Fair-Bot beeped happily and handed Lily a shiny star.

"People are in charge," said Lily, sticking the star on her boot. "And we are fair."

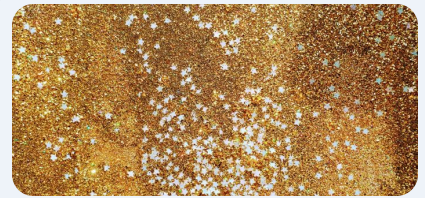
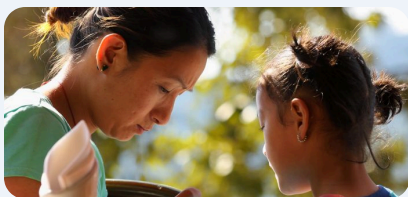
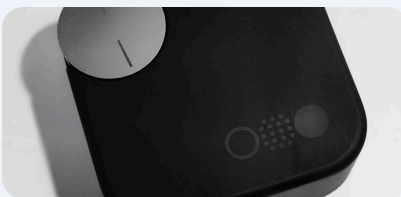
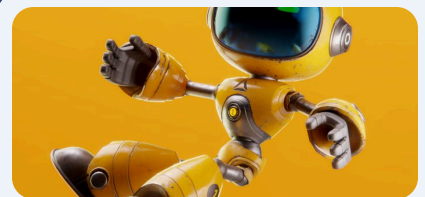
Say it together: **"People are in charge."**

STORY QUESTIONS

The Fairness Fix

Chapter 3: Living with Smart Machines

Name: _____ Date: _____

*A grown-up reads each question out loud. Circle the picture that answers it.***1 Why did Fair-Bot skip Lily?****A** she wore sneakers**B** she wore boots**C** she had a sticker already**2 Who fixed Fair-Bot's bad rule?****A** the teacher and the class**B** a smart speaker**C** another robot**Talk about it**

- Why did Fair-Bot skip Lily?
- Who found the bad rule and fixed it?
- What could you check if a robot at your school seemed unfair?

DRAW IT

The Fairness Fix

Chapter 3: Living with Smart Machines

Name: _____ Date: _____

How did you like the story? Circle one.

I loved it



It was good



I have a question

Draw it! Draw Fair-Bot giving Lily her sticker. What is on her feet?

DRAW IT HERE

My favorite part was _____

**YOUR
TURN**

Write Your Own Tech Story

Your favorite character from the stories has a new adventure. What happens?

Draw it, then tell it in words. Use one of the chapter sayings at the end!

DRAW IT HERE



Story Question Answers

Story 1: Bip and the Tricky Picture 1. **C** · 2. **C**

Story 2: The Sandwich Step by Step 1. **B** · 2. **C**

Story 3: The Fairness Fix 1. **B** · 2. **A**