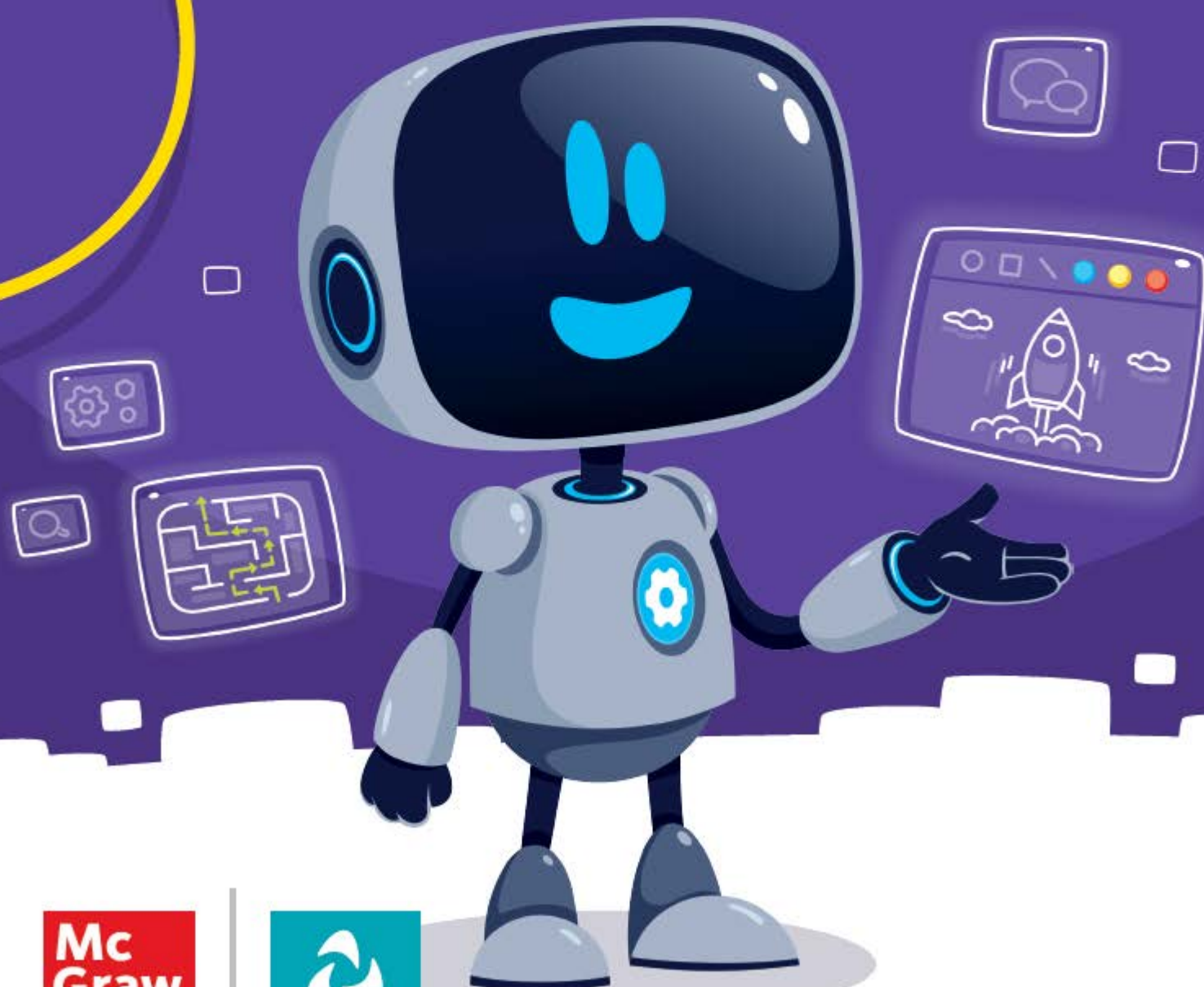


Sample Chapter

Level Up

Through **Digital Discoveries**

Grade K



**Mc
Graw
Hill**



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4



Hello computers

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Unit 1

Hello computers

This unit is all about computers! You will learn how computers help us learn new things, enjoy activities, and talk to others. You will explore how we use our senses, like seeing, hearing, touching, and talking, when we use computers.

In this unit, you will:

- ▶ learn what a computer is.
- ▶ name different kinds of computers.
- ▶ learn how computers have changed over time.
- ▶ find out how computers help us every day.
- ▶ talk about how we use our senses with a computer.
- ▶ learn how to be safe when using a computer.

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Lesson 1

What is a computer?



Have you ever used a computer?

A computer is a smart machine.



Teacher's tip: Ask the students to point to each computer and circle it. Say the names of the computers. Encourage students to repeat after you.

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There are many kinds of computers.



A desktop is a big computer. It sits on a table or desk.



A laptop is a small computer. You can take it anywhere.



A smartphone is a small computer. You hold it in your hand.



A tablet is a flat computer. It has a screen that you touch.



Teacher's tip: Define the term “device” for students. Explain the role of each device. Help students understand what can they do with each device.

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1

Let's find the devices.

- ▶ Walk around the room.
- ▶ Can you find any devices?
- ▶ Point to them when you spot them.
- ▶ Which device do you like the most?
- ▶ Draw a picture of it.

1

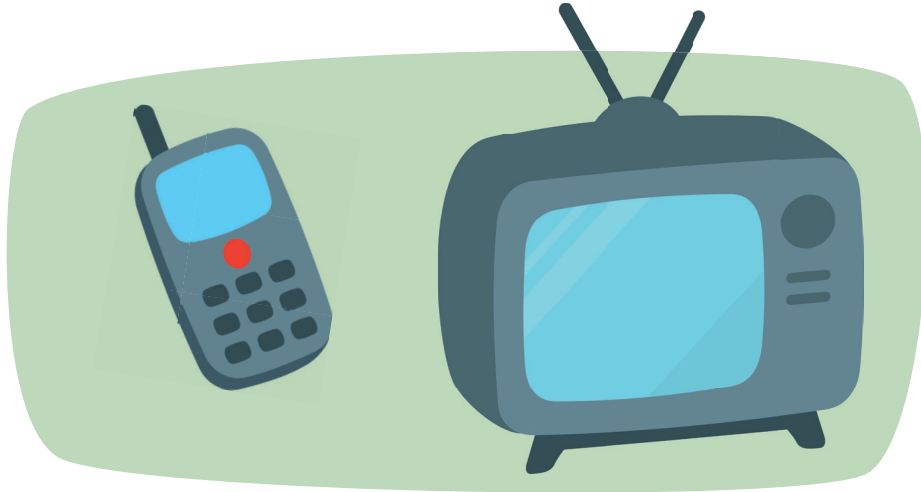


Teacher's tip: If real equipment isn't available, use printed images or models placed around the classroom.

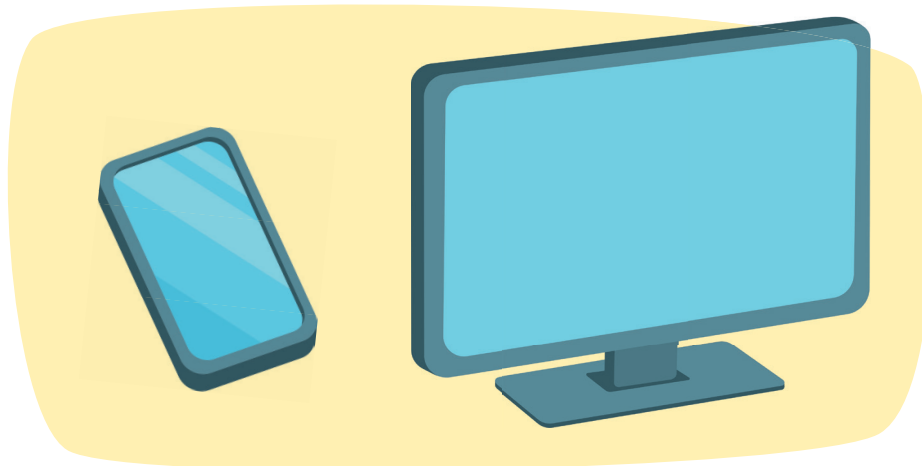
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Cell phones and televisions have changed a lot over time.

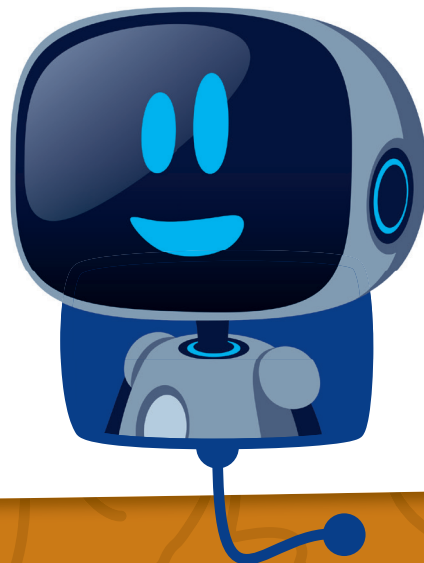
Then



Now



What changed?
Talk about it!



Teacher's tip: Talk about how computers, cell phones, and televisions have changed over the last 50 years.

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People use computers to help them do their jobs.



Doctors use computers to help take care of you when you are sick.



Teacher's tip: Ask students how a doctor uses computers. Talk about other jobs that use computers. Encourage students to give examples from their own lives.

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2 Circle the people who are using a computer to do their job.



Teacher's tip: Discuss each character and their job with the class. Help students notice who is using a computer to do their work and how it helps them.

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Lesson 2

How computers help us



How do people use computers?

You use computers in different ways every day.

You learn new things.



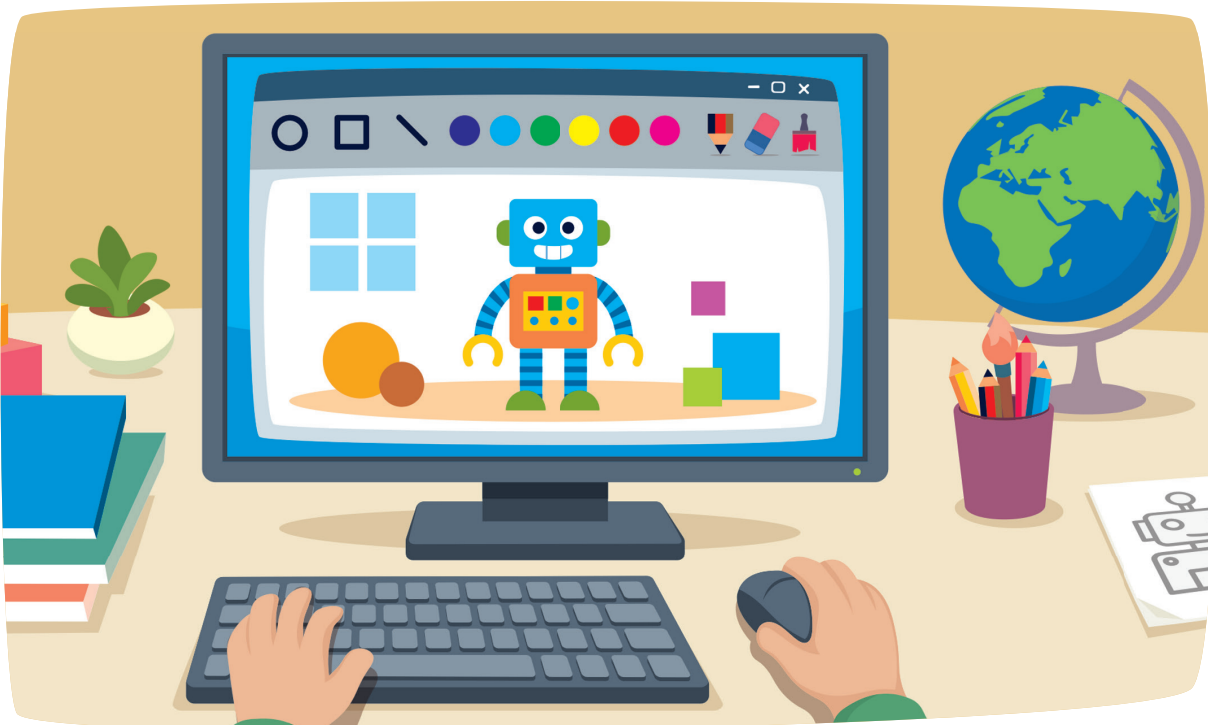
Teacher's tip: Talk about how computers can make learning interesting through games that teach letters, numbers, and more.

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You talk to people.



You draw pictures.



Teacher's tip: Talk about how computers can help us stay in touch with family and friends. Also talk about how computers can help us be creative.

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You listen to music.



You watch videos.

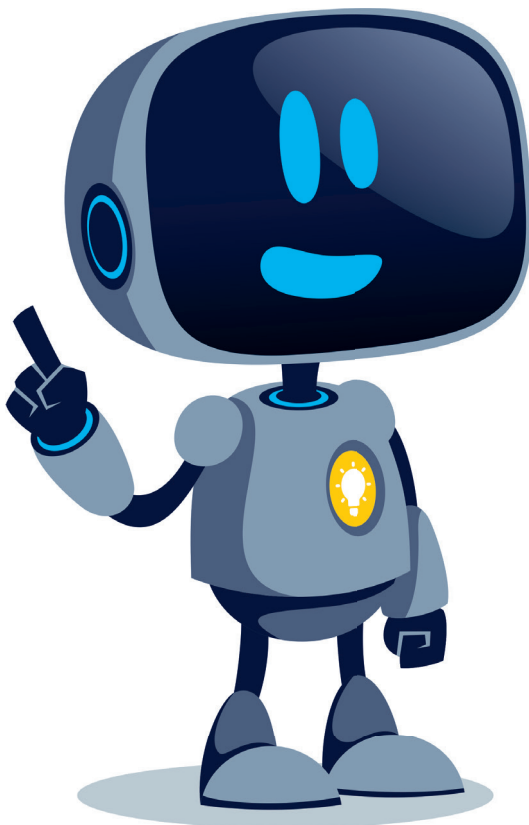


Teacher's tip: Point to each picture and ask students to describe what they see. Ask: "Do you like to listen to music?" and "What's your favorite video?"

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1 Can a computer do that?

- ▶ Listen to the sentence.
- ▶ If yes, clap your hands.
- ▶ If no, stomp your feet.



Let's think about
what computers
can do!



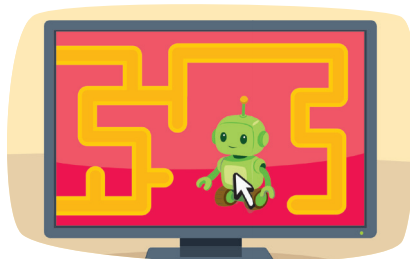
Teacher's tip: Say different actions (e.g., "A computer can fly", "A computer can play music").

Remind students to listen carefully and decide if a computer can do that or not.

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2 Draw a line from the activity to the picture it matches.

Draw



Talk with
others



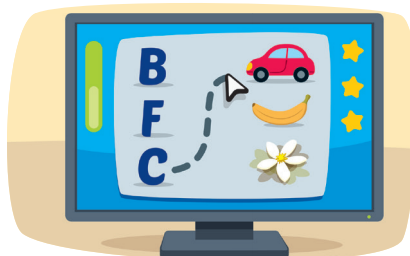
Play
games



Learn



Listen to
music

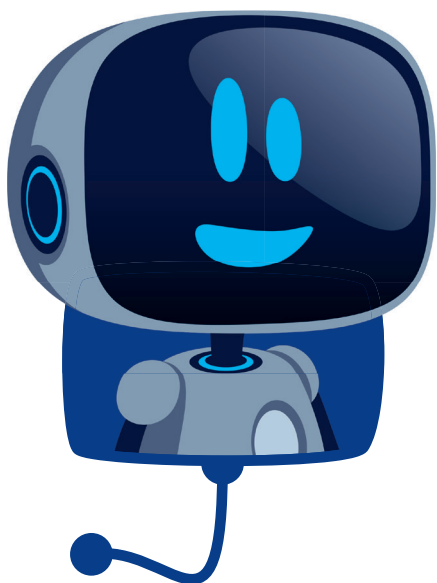


Teacher's tip: Guide students to match each activity with the picture that represents it.

Encourage students to share their thoughts and match pictures by discussing each action.

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3 Draw yourself talking to someone on the computer.



Who would
you talk to?



Teacher's tip: Encourage students to describe the person (e.g., grandma, cousin, friend) and share what they would talk about.

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Lesson 3

My senses and computers



What parts of your body help you see, hear, and touch?

When you use a computer, you use your senses.



You use your eyes.

You see pictures on the screen.



You use your ears.

You hear sounds with speakers or headphones.



Teacher's tip: Talk about how we use our eyes to see computer screens. Explore the sense of hearing and how computers make sounds using speakers or headphones.

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You use
your hands.

You type
and move
the mouse.



You use
your mouth.

You talk
into a
microphone.



Teacher's tip: Talk about how we use our hands to touch and control a computer. Introduce how we use our mouth to talk to computers through a microphone.

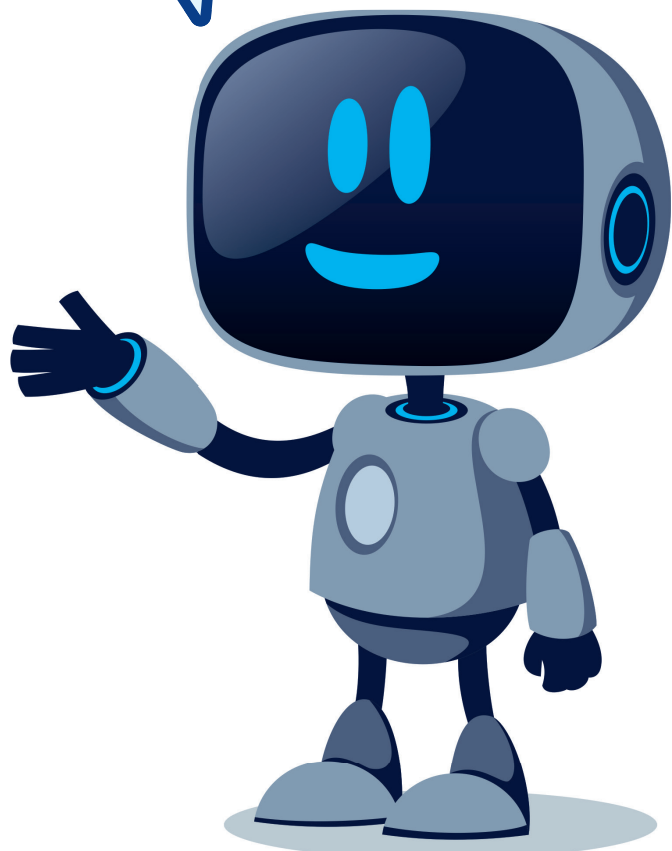
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1

Find the match.

- ▶ Look at the screen.
- ▶ Use your eyes to find the same object in the room.
- ▶ Point to it when you find it!

Use your eyes to
find the match!

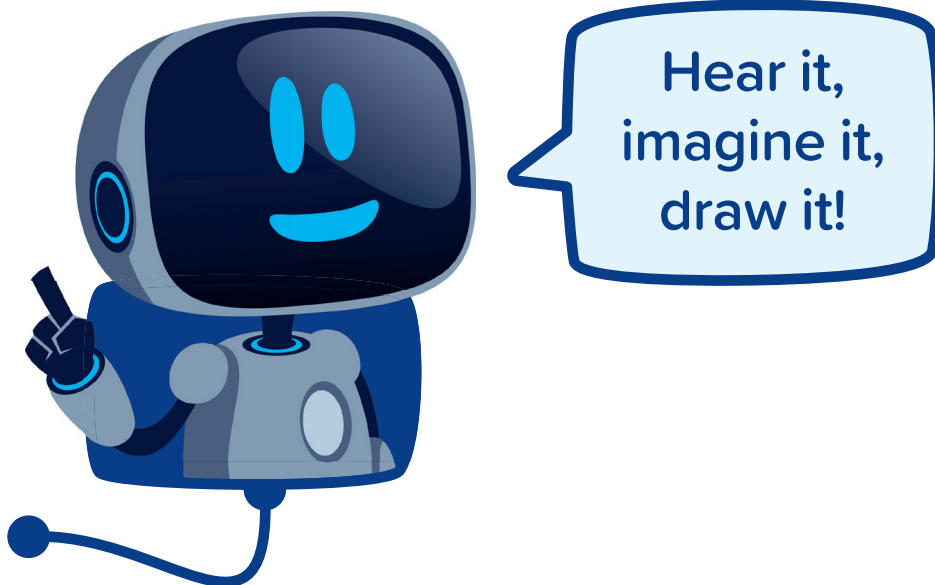


Teacher's tip: On the computer, show images of several objects in the classroom (e.g., calendar, clock). Ask students to use their eyes to find each matching object in the room and point to it.

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2 Guess the sound.

- ▶ Listen to the sound.
- ▶ Draw what made the sound.



Teacher's tip: Play sounds one at a time with a short pause in between. Ask students what they think the sound is and discuss answers together.

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3

Draw a line to match the sense to the computer part it works with.



Teacher's tip: Talk about each sense and how we use it with a computer. Help students match each one to the right computer part.

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1

Lesson 4

Be safe with screens



How can we use screens safely?

Safety rules

Keep a safe distance from the screen.

Don't sit with your face too close to it.



Sit back a little and sit up tall in your chair.



Teacher's tip: Model proper screen distance by sitting at a computer and showing how far back to sit. Remind students to keep their backs straight and heads up.

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We need to hold a tablet the right way too.
Hold it with both hands and sit up tall.



Teacher's tip: Model how to hold a tablet properly. Point out how holding it too close or lying down is less safe for our bodies. Have students practice holding a pretend tablet correctly.

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1 Color the correct face.



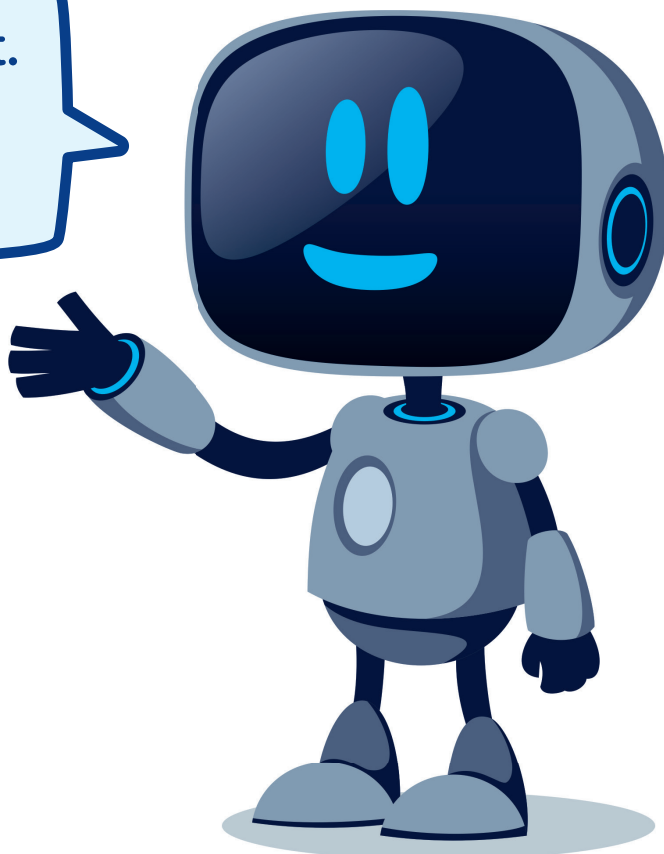
Teacher's tip: Remind students that using screens the right way helps them feel comfortable and happy. Use the pictures to talk about how safe screen use can affect how we feel.

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2 If it is safe, stand up!

- ▶ Holding the tablet with two hands.
- ▶ Sitting very close to the screen.
- ▶ Sitting up tall in a chair.
- ▶ Using the computer while lying down.
- ▶ Putting the screen on your lap and slouching.

Think about it.
Stand up
if it is safe!



Teacher's tip: Model each action as you read it aloud. Use exaggeration to show the difference between safe and unsafe screen use.

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Project

My computer poster

1. Draw a picture of you using a computer.
2. Show how you use your senses.
3. Write or draw one way to stay safe.
4. Share your poster with the class.



Teacher's tip: Encourage students to share their ideas by talking about their posters. This helps them build confidence and connect computer use to their senses and safety habits.

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Reflect



1. Which senses did you use?

2. How did you feel when you shared your poster with the class?



happy



shy



calm



nervous

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Wrap up

Check out your new skills!

- ▶ I can tell what a computer is.
- ▶ I can name different kinds of computers.
- ▶ I know how computers have changed over time.
- ▶ I know how computers can help me.
- ▶ I can tell how I use my senses with a computer.
- ▶ I know how to be safe when using a computer.

Key Terms

- | | |
|--------------|---------------|
| ◆ computer | ◆ safety rule |
| ◆ desktop | ◆ screen |
| ◆ headphones | ◆ smartphone |
| ◆ laptop | ◆ speakers |
| ◆ microphone | ◆ tablet |
| ◆ monitor | |

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