

What is today's topic?

Lesson 2

Computing Devices

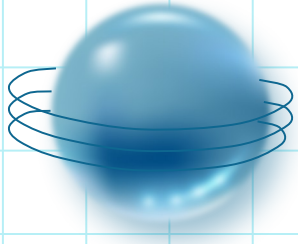
ESL/EFL Teacher: Ms. Zulfiya

AGENDA

- Learn subject specific vocabulary
- Use structures for expressing function
- Read for specific information
- Listen for specific information

Let's talk about these questions!

1. How have computer monitors improved over time?
2. What is the purpose of a frame buffer?



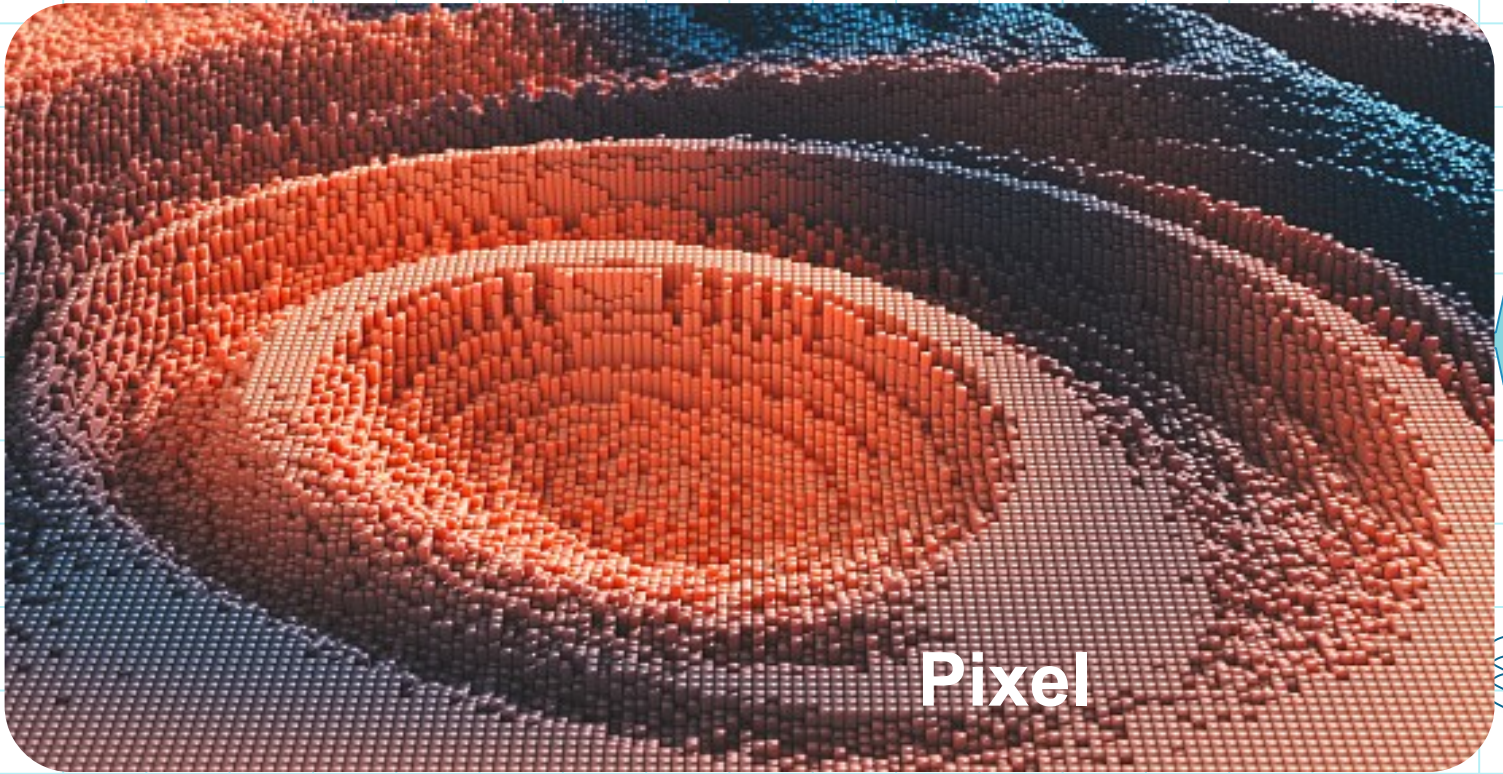


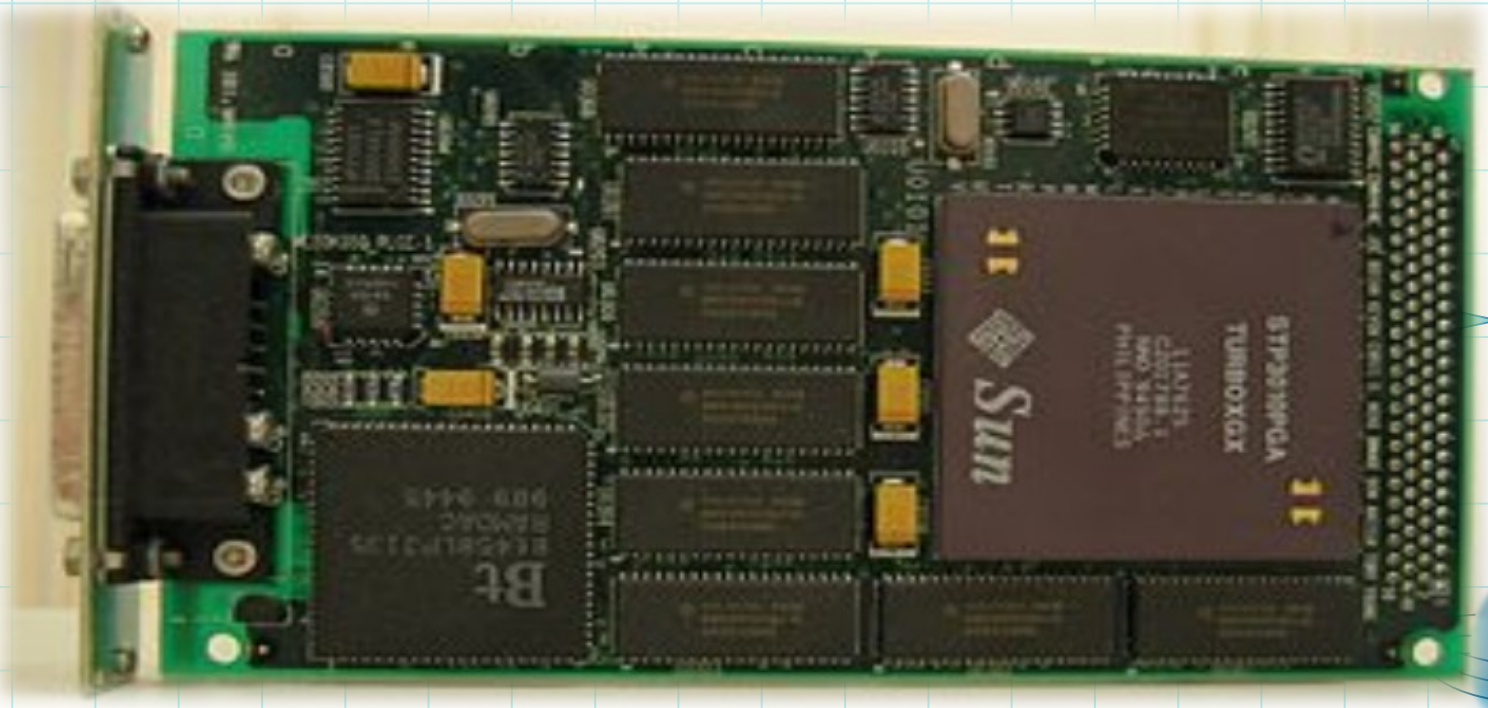
CRT monitor



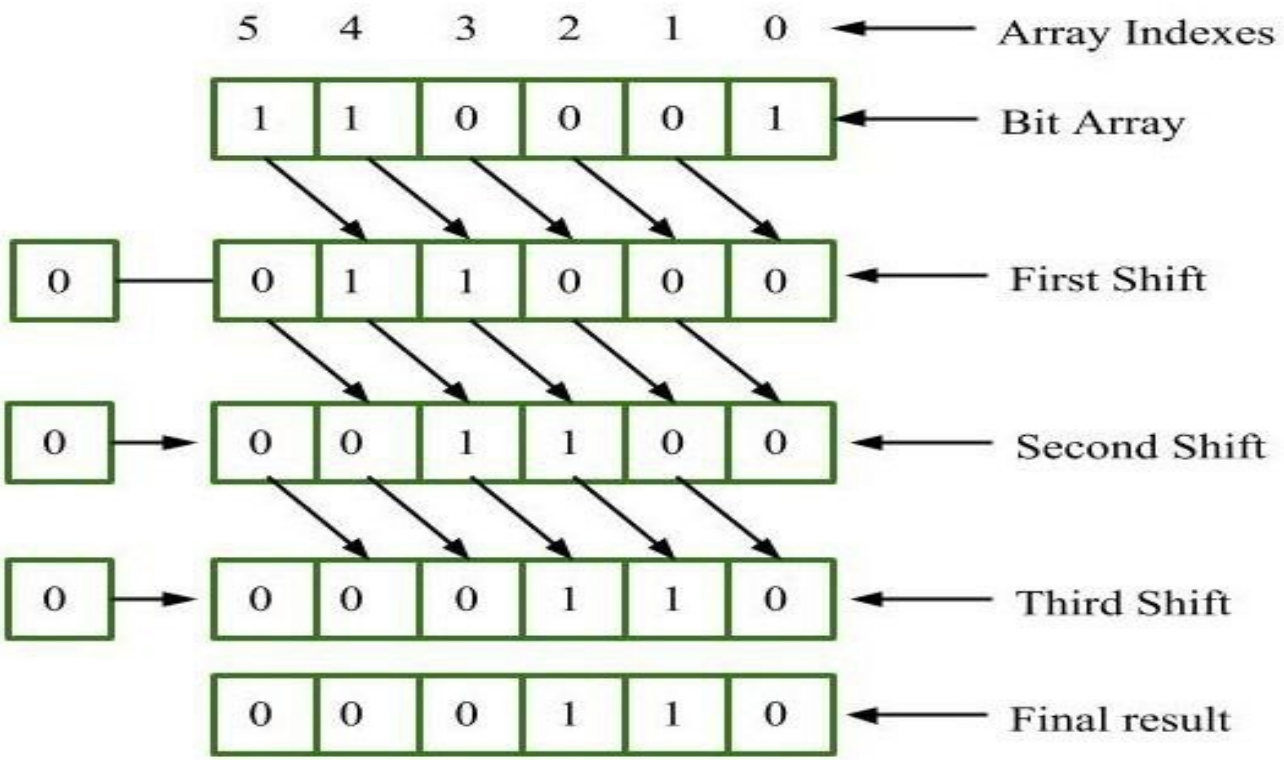
LCD

Liquid crystal tube


Pixel



Frame buffer


5 4 3 2 1 0
Array Indexes
1 1 0 0 0 1
Bit Array
0 0 1 1 0 0 0
First Shift
0 0 0 1 1 0 0
Second Shift
0 0 0 0 1 1 0
Third Shift
0 0 0 0 1 1 0
Final result

bitmap



QWERTY

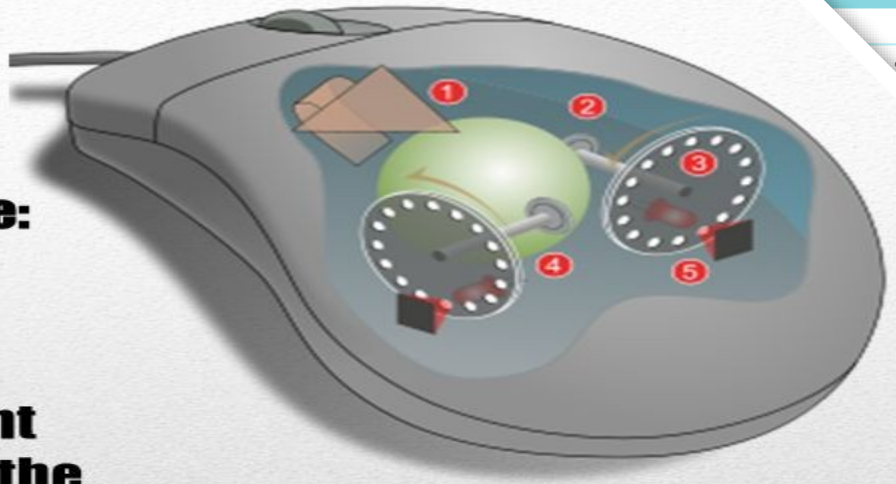


GUI

Graphic User Interface



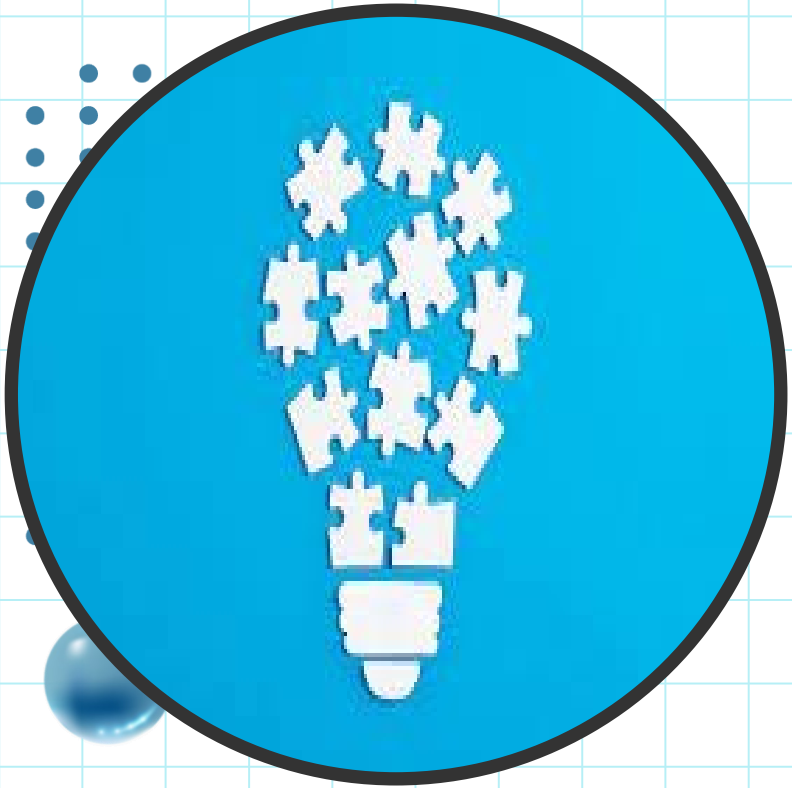
peripheral



Operating an opto-mechanical mouse:

1. moving the mouse turns the ball.
2. X and Y rollers grip the ball and transfer movement.
3. Optical encoding disks include light holes. Infrared LEDs shine through the disks
4. Sensors gather light pulses to convert to X and Y vectors.

opto-mechanical mouse.



Complete the puzzle using the clues.

A small hand-held device that is moved across the mat surface to move the cursor on a computer screen							e

A panel of keys that operate a computer or typewriter				b				

A device with a screen on which words or pictures can be shown		o					

A firm slotted board onto which computer circuitry is attached			t					o			

Answers: 1. Mouse 2. Keyboard 3. Monitor 4. Motherboard

Match the words or phrases with the definitions

1. GUI	A. An icon on a computer's display controlled by a mouse
2. Button	B. An input device that uses a ball to track its movement
3. Pointer	C. The part of a device that a user presses to perform a function
4. Keyboard	D. An input device with many keys for inputting data
5. scroll wheel	E. An input device that uses an LED to track its movement
6. optical mouse	F. A visual display that computer users can interact with
7.electromechanical mouse	G. A device on a mouse that lets users move up and down smoothly on a screen
8. Peripheral	H. Any device that is connected but not built into a computer

Let's check your answers

01 - F

02 - C

03 - A

04 - D

05 - G

06 - E

07 - B

8 - H

1 bitmap / LCD

A The computer's LCD is capable of showing detailed, vibrant images.

B A(n) bitmap tells pixels on a screen how to form into an image.

2 active matrix / frame buffer

A The display's active matrix allows it to control each individual pixel.

B The frame buffer stores bitmaps before the monitor displays them.

3 display / monitor

A Jim's monitor is so old that it still uses a CRT.

B Consumers really like the sharp display on the new screens.

Read the text and answer the question

What are an electromechanical mouse ‘s main features?

Read the product description again and answer the question.

Vanrey 5650
Desktop Computer
Included Peripherals
Every desktop model comes with a Vanrey keyboard. This QWERTY keyboard features new quiet–key technology. It also comes with wrist support to reduce muscle strain. Each unit also comes with the Vanrey EM750 electromechanical mouse. Scroll smoothly with a durable scroll wheel. Then easily click your selections with the two large buttons. This standard mouse is perfect for light, everyday use.
Recommended Peripherals
The Vanrey Omega optical mouse tracks movements with LEDs. This mouse is recommended for architects, engineers, and other design professionals. It guides pointers across GUIs with precise, smooth movements. This accessory is sold separately.

Mark the statement as TRUE or FALSE

F 1.	Users can choose which keyboard the computer comes with.
T 2.	An electromechanical mouse is included with the computer.
T 3.	The optical mouse is recommended for design professionals.

Listen to a conversation between a computer store employee and a customer. Mark the following statements as True or False.

1 The fan will not turn on. **True** **False**

2 The woman suspects the power supply is broken. **True** **False**

3 The woman must open the case. **True** **False**



Listen again and complete the gaps

Employee: Good afternoon. How 1) _____ _____ help you?
Customer: Hello. I have a problem with my computer. The fan is 2) ____ _____ _____.
Employee: I see. Is it new?
Customer: No, I've had it 3) _____ _____ a year.
Employee: Maybe the heat sink is broken. 4) _____ _____ make the fan work too hard.
Customer: 5) _____ _____ . Can you replace it?
Employee: I'll have to open the case 6) _____ _____. Can you leave it overnight?
Customer: Sure. I'll be back tomorrow afternoon. Thanks.

Check your answers

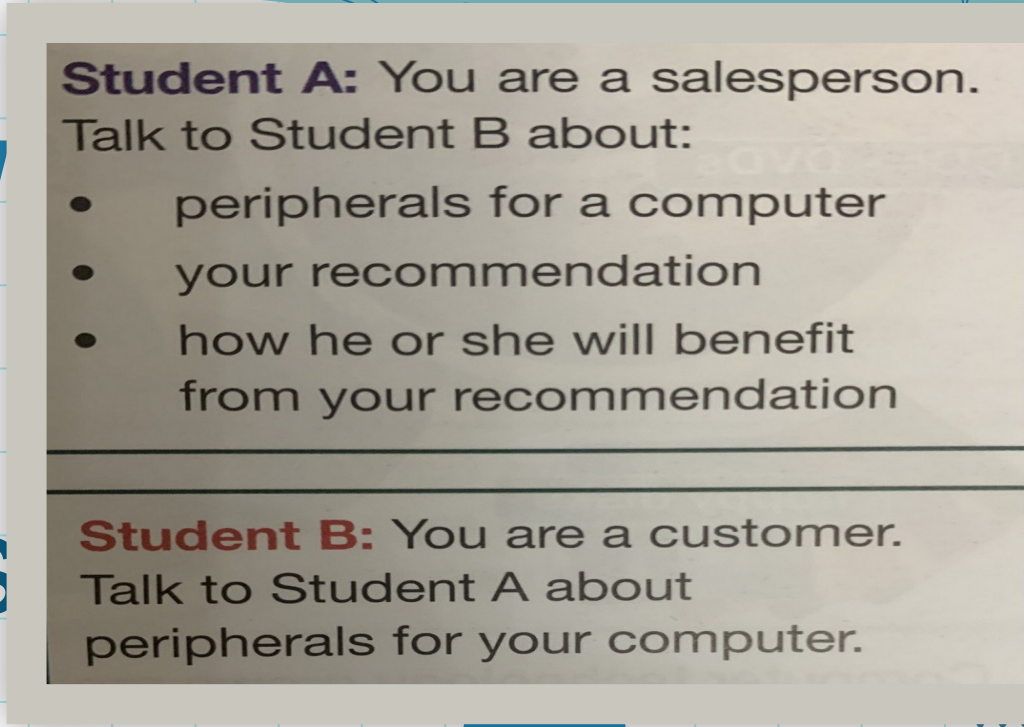
Employee: Good afternoon. How **1) can I** help you?
Customer: Hello. I have a problem with my computer. The fan is **2) way too loud.**
Employee: I see. Is it new?
Customer: No, I've had it **3) for about** a year.
Employee: Maybe the heat sink is broken. **4) That would** make the fan work too hard.
Customer: **5) I understand**. Can you replace it?
Employee: I'll have to open the case **6) to see**. Can you leave it overnight?
Customer: Sure. I'll be back tomorrow afternoon. Thanks.

It's high time to play Kahoot!

https://create.kahoot.it/my-library/kahoots/8a586f42-e5d4-4411-b3be-f1ad78e49d49

Speaking time!

Act out this situation



Student A: You are a salesperson. Talk to Student B about:

- peripherals for a computer
- your recommendation
- how he or she will benefit from your recommendation

Student B: You are a customer. Talk to Student A about peripherals for your computer.

Use the conversation from previous task to fill out the customer feedback form.

Computers Direct
Customer Feedback Form
What did you purchase?
Was the salesperson helpful? Y/ N
Why or why not?



BREAKOUT dictation rules

One of you is the READER and one is the LISTENER/ WRITER.

The READER must **ONLY READ**! DO NOT share the screen or write the words!

You need to dictate and complete **both reviews**.

When you have finished, the WRITER should **take a photo** of your paper and send it to the WhatsApp group.

You get 5 points for being the **quickest** team.

You get 5 points for each **completely correct** review.

You lose a point for each wrong **spelling**, **missing word** or wrong **punctuation**.

Your home task is to answer the questions in written form.

1. What are in your opinion the most urgent computer problems?

2. Give characteristics of your own computer components and try to describe a model of future computer.

THANKS!

Do you have any questions?

