

Information Technology

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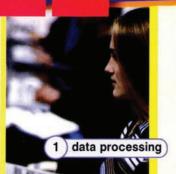
Scope and Sequence

Unit	Topic	Reading context	Vocabulary	Function
1	Information Technology	code, data processing, data, encoding, hardware, information security, online, quality assurance, software, technical support	Getting someone's attention	
2	Introduction to Computing Systems	ng PC, laptop, mainframe, PDA, server, supercomputer, in		Giving instructions
3	Inside the Computer	Product Guide	case, expansion card, fan, hard drive, heat sink, motherboard, power supply, processor, RAM	Describing a process
4	Computing Devices	Catalog	input device, microphone, monitor, mouse, printer, scanner, scroll wheel, touch screen, USB	Making a suggestion
5	Networking	Magazine Article	CAT-5, configuration, cycle, DHCP, Internet, IP address, LAN, network, router, WLAN	Describing options
6	The User Interface	Manual	desktop, drag, folder, GUI, icon, maxmize, menu, minimize, OS, pointer, shortcut, window	Offering a solution
7	Word Processing	Advertisement	compatibility, document, font, format, formatting, layout, macro, spell check, template, word processing program	
8	Email	Memo attachment, domain name, email address, email client, C ISP, password, POP3, SMTP server, username, webmail e		ADVINOUS STOWNS OF THE PROPERTY.
9	Web Browsing			Expressing confusion
10	Image and Graphic Design	Magazine Article	contrast, crop, exposure, graphic editing program, graphics, JPEG, pixel, resize, resolution, tint	Answering the phone
11	Databases vs. Spreadsheets	Email	cell, database field, database, formula, function, operator, query, sort, spreadsheets, table, worksheet	Asking for help
12	Web Design vs. Web Development	Course Descriptions	appearance, coding, content, CSS, functionality, navigation, usability, visibility, web design, web development	Asking about purpose
13	Desktop Publishing	sktop Job Listing clip art, comprehensive layout, design, desktop		Talking about experience
14	Videoconferencing	The state of the s		Explaining differences
15	E-commerce	Email	affiliate, banner, brick and mortar, certificate authority, digital certificate, e-commerce, FAQs, shopping cart, traffic	Clarifying information

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Glossary

Information Technology



IT Department Restructuring

DataPro Inc. is growing, and so our workload is increasing. But our IT department is not dealing with this increase effectively. So I am dividing the IT department into three sections: quality assurance, data processing and information security. The responsibilities of each section are:

Quality Assurance

Testing hardware
Providing technical support

Data Processing

Writing code
Organizing data

Information Security

Encoding online data transfers Updating security software

These changes are not simple or easy. But smaller groups deal with tasks more efficiently than larger ones. See your supervisors for your new section assignment.

Thomas Jenkins, CEO DataPro Inc.



technical support

2 information security



Get ready!

Before you read the passage, talk about these questions.

3 online

- 1 What is Information Technology?
- What do Information Technology professionals do?

Reading

- Read the statement from the DataPro Inc. CEO. Then, mark the following statements as true (T) or false (F).
 - The IT Department is increasing.
 - 2 __ Data Processing employees now encode data.
 - 3 __ Supervisors know the employees' new assignments.

Vocabulary

3 Match the words (1-10) with the definitions (A-J).

1 _ software 6 _ online

2 __code 7 __technical support

3 _ hardware 8 _ data

4 __ data processing 9 __ quality assurance

5 __ information security 10 __ encoding

- A putting secret information into code
- B the physical parts of a computer
- C connected to the Internet
- D numbers entered/held in a computer
- E checking products for problems
- F the act of using information
- G programs/instructions added to computers
- H helping people use/understand technology
- I program language
- J the act of protecting information

Fill in the blanks with the correct words. Speaking from the word bank. (3) With a partner, act out the roles below, WOrd BANK based on Task 7. Then, switch roles. data quality assurance encoding **USE LANGUAGE SUCH AS:** I have a question about ... 1 Enter the _____ into the computer. I'm in the ____ section. 2 The company uses ______ to protect I have more experience with ... information. ____ finds and fixes problems in new products. Student A: You are a supervisor. Speak with Student B to find out: S Listen and read the statement from current section the DataPro Inc. CEO again. Which desired section section is responsible for helping people reason to understand technology? Listening Student B: You are an employee. Answer Student A's questions. 6 Listen to a conversation between a Make up a name for your supervisor. DataPro Inc. employee and her supervisor. Choose the correct answers. Writing 1 What is the dialogue mainly about? A asking for a raise Use the conversation from Task 8 to fill out the transfer request. B requesting a transfer C assuring product quality D improving hardware 2 What can you infer about the employee? A She does not like her new section. **Transfer Request B** She has experience with hardware. C She does not understand the changes. Employee's Name: D She creates valuable software. Listen again and complete the Supervisor's Name: conversation. Employee: Excuse me, Mr. Hopkins? I have a guestion about the 1 _____. Current Section: Hopkins: Please, come in. What's your question? Employee: Well, I'm now in the 2 _______ section. Requested Section: Hopkins: Yes. You have a great understanding of hardware. Employee: Thanks, but I have more experience Reason for Transfer Request: with **3** ______.

Hopkins: I see. You want a 4 _____, then?

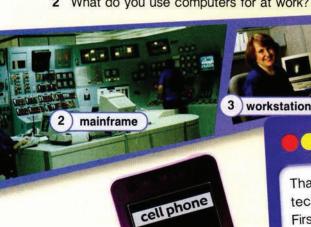
Employee: Exactly. I feel that I'm more valuable there.

Hopkins: Let me 5 _____ it.

Introduction to computing systems

Get ready!

- Before you read the passage, talk about these questions.
 - 1 What kind of computers do you use?
 - 2 What do you use computers for at work?



From: bruce.roberts@tei.com To: chris.carter@techmagazine.net

Re: TEI Computers?

Thanks for including TEI Inc. in your article on workplace technology. We have many types of computers at our disposal. First, all employees receive PDAs and desktop computers. But we only use those for word processing and spreadsheets. Of course, some programs are too powerful for desktops. So many employees use the faster workstations. And we do have a few laptops and handheld PCs. However, employees only use them on business trips. Most employees just answer email with their cell phones. The new server provides access to all printers. Finally, our mainframe processes our largest data files. No need for a supercomputer yet!

desktop computer

Regards, **Bruce Roberts**



Read the email about computers available at TEI Inc. Then, choose the correct answers.

cell phone

- 1 What is the email about?
 - A the types of work employees do
 - B computers that the company sells
 - C what computers the company uses
 - D the installation of a server
- 2 According to the passage, employees use laptops when they _
 - A respond to email
 - B work on spreadsheets
 - C process the largest files
 - D work outside of the office
- 3 Which of the following is NOT true?
 - A The company has a mainframe.
 - B Employees get email on their cell phones.
 - C All employees receive desktop computers.
 - D The desktop computers are faster than the workstations.

Vocabulary

- Read the sentence and choose the correct word.
 - 1 My (PDA / mainframe) notifies me when I have a meeting.
 - 2 I have a (laptop / supercomputer) to do work on the plane.

laptop

- 3 John has a (server / desktop computer) because he only uses simple programs.
- 4 This (computer / server) runs programs, but doesn't have Internet access.
- 5 A (workstation / handheld PC) is smaller than a laptop, but still has a keyboard.
- 6 Connect to the (server / PDA) to use that printer.
- 7 A (supercomputer / handheld PC) is the most powerful machine in the world.

4	Match	the	words	(1-3) v	with	the	definitions	201100
	(A-C).							

- 1 _ workstation 3 _ cell phone
- 2 _ mainframe
- A large and powerful computer that supports many other computers working at once
- **B** fast computer that is used by one person and has more memory than an ordinary personal computer.
- C a device that makes and receives calls
- Listen and read the email about computers available at TEI Inc. again. Why do some employees not use a desktop?

Listening

- 6 Listen to a conversation between an IT professional and a new employee. Choose the correct answers.
 - 1 Which of the following computers are NOT shared by employees at TEI Inc.?
 - A the server
- C laptops
- **B** workstations
- D desktop computers
- 2 According to the dialogue, employees use the server to ____.
 - A open programs
 - B reserve workstations
 - C log onto desktop computers
 - D borrow laptops

Listen again and complete the conversation.

- **A:** Here's your new office. Jon works in here, too.
- B: So, everyone has their own 1 ______. Do we have laptops?
- A: Yes. That's your computer there. Laptops are in the 2 ______.
- B: Okay, but I also need a 3 _____.
- A: Right, you work on some powerful programs. Those are next door.
- B: Do I sign up to use them? I mean, how do I get access to one?
- A: Just 4 ______ to the server. All computers connect to it. Then, click "5 _____ workstation".
- B: Thanks!

Speaking

(8) With a partner, act out the roles below based on Task 7. Then, switch roles.

USE LANGUAGE SUCH AS:

Ok, but I also need a workstation. How do I get access to one? Then click 'reserve workstation'

Student A: You are a new employee. Ask Student B questions about:

- what computers they have
- · where the computers are
- how to access computers

Student B: You are an IT Professional. Answer Student A's questions about the computers.

Writing

Use the conversation from Task 8 to fill out the notes.

TEI Inc. Computers & Locations

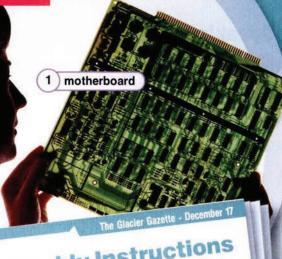
1 ;	Every	employee	has	one	in
	their o	office.			

2	:	These	are	available	in	the
		IT den	artm	ent		

3.	Server:	All computers	
----	---------	---------------	--

4:	Log	on	to	the	server	to
	rese	rve	th	ese		

3 Inside the computer



Assembly Instructions

Step #1: First, gather your parts. These include a motherboard, power supply, processor, case, heat sink, fan, RAM, expansion cards, hard drive, and disk drive.

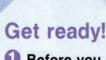
Step #2: Next, Attach the motherboard to the case. Then, connect the processor to the motherboard's primary socket.

Step #3: Attach the heat sink and cooling fan to the processor.

Step #4: Insert the RAM card into an open memory slot. Put any expansion cards into the expansion slots.

Step #5: Connect your hard drive to the motherboard and power supply.

Step #6: Close the case and connect the power supply.



Before you read the passage, talk about these questions.

case

- 1 Which components make up a typical desktop computer?
- What do you call a person who repairs computers?

Reading

- Read the technology guide about computer assembly. Then, choose the correct answers.
 - 1 What is the guide mostly about?
 - A putting together a computer
 - B problems with computer parts
 - C uses of expansion cards
 - D repairing a broken computer
 - 2 When should the hard drive be installed?
 - A Step #1
- C Step #5
- B Step #3
- D Step#6
- 3 According to the guide, what is NOT an assembly step?
 - A collecting parts
 - B opening the case
 - C connecting the drives
 - D installing the RAM card

Vocabulary

- Match the words (1-6) with the definitions (A-F).
 - 1 _ heat sink
- 4 _ processor
- 2 __RAM
- 5 _ hard drive
- 3 _ expansion card
- 6 _ motherboard
- A a slotted board with circuits and ports
- B a short term, quick memory source
- C a part used to cool the processor
- D a part used to store large amounts of data
- E a part used to increase a computer's functions
- F a part that completes tasks for the computer

