CAMBRIDGE

Professional English

Infotech English for computer users

Fourth Edition

Student's Book

Santiago Remacha Esteras

Fully updated with the fully updated windows

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	UNIT	LISTENING	READING
Module 1 Computers today	1 Living in a digital age	Computers at work	The digital age The magic of computers
	2 Computer essentials	Different types of computer	Advertising slogans What is a computer?
	3 Inside the system	A PC system	Technical specifications What is inside a PC system? How memory is measured
	4 Buying a computer	In a computer shop Choosing the right computer	Computer adverts Technical specifications
Module 2 Input/Output	5 Type, click and talk!	Describing input devices Mouse actions	Interacting with your computer Speech recognition systems
devices	Capture your favourite image	Scanners	The eyes of your computer Press release: a digital camera
	7 Display screens and ergonomics	Choosing the right display device Ergonomics	How screen displays work
	8 Choosing a printer	Multi-function printers	Which type of printer should I buy? Printer adverts
	9 Devices for the disabled	Assistive technologies for the blind	Computers for the disabled
Module 3 Storage devices	10 Magnetic storage	Buying a portable hard drive	Magnetic storage
	11 Optical storage	CDs and DVDs	Optical discs and drives
	12 Flash memory	Flash drives	Memory in a flash!
Module 4 Basic software	13 The operating system (OS)	Windows Vista	GUI operating systems
	14 Word processing (WP)	The Cut and Paste technique	WP tools
	15 Spreadsheets and databases	The Excel spreadsheet program	An invoice and covering letter Databases

	SPEAKING	WRITING	LANGUAGE WORK	VOCABULARY
	Discussing what computers do	A short summary of a discussion	Collocations 1	Basic computer terms, computers in education, banks, offices, airports, libraries, entertainment, etc.
	Describing a diagram	An email explaining the benefits of laptops and tablet PCs	Classifying	Basic hardware and software terminology
	Describing your ideal computer system	Notes about your ideal computer system	Defining relative clauses	Processor, chip, control unit, arithmetic logic unit, etc. Units of memory: KB, MB, GB, etc.
	Role play – buying a computer	An email recommending a computer	Language functions in a computer shop	Vocabulary tree: revision of vocabulary from Module 1
	Describing input devices		Describing functions and features	Input/Output devices, groups of keys, mouse actions
	Describing a camera		Superlatives Suffixes	Scanners, cameras
	Discussing which display devices you would most like to own	Guidelines for an ergonomic school or office	Instructions and advice	Display screens, ergonomics
١	Choosing the right printer	An email to a friend comparing two printers	Connectors 1 Comparatives	Types of printer, printer technology
1	Discussing assistive technology	An email summarizing the different assistive technologies available	Noun phrases	Devices for the disabled
1	Discussing how to protect your data	An email explaining hard drive precautions	Precautions Word building	Types of magnetic storage, technical details of magnetic storage
1	Choosing storage devices	A post on a forum discussion about format wars	Connectors 2	Types of optical storage, technical details of optical storage
1	Describing flash drives	A text message to a friend explaining the difference between MP3 and MP4	Word building	Types of flash drive, technical details of flash memory
1	Comparing user interfaces	A summary of a text	Countable and uncountable nouns Articles	GUIs, the WIMP environment, desktop features, etc.
١	Giving instructions for carrying out tasks in Word	Instructions for using Find and Replace in Word	Giving and following instructions	Functions and features of word processors
1	Discussing the software you use at home and at work	A fax of complaint	Plurals	Functions and features of spreadsheets and databases

	UNIT	LISTENING	READING
Module 5 Faces of the	16 The Internet and email	Internet basics	Internet FAQs Email features
Internet	17 The Web	E-commerce and online banking	A typical web page The collectives of cyberspace
	18 Chat and conferencing	At a cybercafé	Virtual meetings Netiquette
	19 Internet security	Safety online for children	Security and privacy on the Internet The history of hacking
Module 6 Creative software	20 Graphics and design	The toolbox	Computer graphics
	21 Desktop publishing	Steps in a DTP publication	What is desktop publishing? Steps in a DTP publication
	22 Multimedia	Components and system requirements	Multimedia magic!
	23 Web design	Designing a website	Web page design
Module 7 Programming /	24 Program design and computer languages	Steps in programming	Computer languages
Jobs in ICT	25 Java™	The history of Java	Java applets The Java language
	26 Jobs in ICT	IT professionals A job interview	Job adverts A letter of application
Module 8 Computers tomorrow	27 Communication systems	VoIP technology	Channels of communication
	28 Networks	Small networks	Networking FAQs
	29 Video games	Present and future trends in gaming	Game genres
	30 New technologies	RFID tags	Future trends

Thanks and acknowledgements

The author would especially like to express his gratitude to Paz, Marina and Violeta. My special thanks to Nick Robinson for his invaluable feedback and for editing the typescript and to Tony Garside for his input and expertise. Thanks are also due to the teachers and students of Pilar Lorengar High School, Zaragoza. Thanks to Cambridge University Press for their vision, support and faith in the project, to Matt Robinson for his generous contribution on video games, and to Angel Benedi and Elena Marco for their help and advice.

We are grateful to all the teachers who provided input and advice during the development of this new edition.

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Picture research by Veena Holkar. Audio production by Penelope Reid.

Computers today

Un	it	page
1	Living in a digital age	
2	Computer essentials	
3	Inside the system	11
4	Buying a computer	16

Learning objectives

In this module, you will:

- talk and write about computer applications in everyday life.
- study the basic structure of a computer system.
- study the differences between certain types of computer.
- learn how to classify computer devices.
- learn about the structure and functions of the CPU.
- learn how to distinguish between RAM and ROM.
- learn about how memory is measured.
- learn and use relative pronouns.
- learn how to enquire about computers in a shop.
- learn how to understand the technical specs of different computers.

Unit 1 Living in a digital age

The digital age

- A Match the captions (1-4) with the pictures (a-d).
- 1 In education, computers can make all the difference....
- 2 Using a cashpoint, or ATM_
- 3 The Internet in your pocket ____
- 4 Controlling air traffic_









- B How are computers used in the situations above? In pairs, discuss your ideas.
- Read the text and check your answers to B.

The digital age

We are now living in what some people call the digital age, meaning that computers have become an essential part of our lives. Young people who have grown up with PCs and mobile phones are often called the digital generation. Computers help students to perform mathematical operations and improve their maths skills. They are used to access the Internet, to do basic research and to

- communicate with other students around the world.
- Teachers use projectors and interactive whiteboards to give presentations and teach sciences, history or language courses. PCs are also used for administrative purposes – schools use word processors to write letters, and databases to keep records of students
- and teachers. A school website allows teachers to publish **exercises** for students to **complete** online.

Students can also enrol for courses via the website and parents can download official reports.

Mobiles let you **make** voice **calls**, **send texts**,
email people and download logos, ringtones or
games. With a built-in camera you can send pictures
and make video calls in *face-to-face* mode. New
smartphones combine a telephone with web access,
video, a games console, an MP3 player, a personal
digital assistant (PDA) and a GPS navigation system,
all in one.

In banks, computers store information about the money held by each customer and enable staff to access large databases and to carry out financial transactions at high speed. They also control the cashpoints, or ATMs (automatic teller machines), which dispense money to customers by the use of a PIN-protected card. People use a Chip and PIN

card to pay for goods and services. Instead of using a signature to verify payments, customers are asked to enter a four-digit personal identification number (PIN), the same number used at cashpoints; this system makes transactions more secure. With online banking, clients can easily pay bills and transfer money from the comfort of their homes.

Airline pilots use computers to help them control the plane. For example, monitors display data about fuel consumption and weather conditions. In airport control towers, computers are used to manage radar systems and regulate air traffic. On the ground, airlines are connected to travel agencies by computer. Travel agents use computers to find out about the availability of flights, prices, times, stopovers and many other details.

D When you read a text, you will often see a new word that you don't recognize. If you can identify what type of word it is (noun, verb, adjective, etc.) it can help you guess the meaning.

Find the words (1-10) in the text above. Can you guess the meaning from context? Are they nouns, verbs, adjectives or adverbs? Write n, v, adj or adv next to each word.

1	perform (line 6)	5	digital (line 25)
2	word processor (line 13)	7	store (line 27)
3	online (line 16)	8	financial (line 29)
4	download (line 18)	9	monitor (line 42)
6	built-in (line 21)	10	data (line 42)

E Match the words in D (1-10) with the correct meanings (a-j).

=	Match the words in D (1–10) with	the corr	ect meanings (a-j).
a	keep, save	g	collection of facts or figures
b	execute, do	h	describes information that is recorded or
c	monetary		broadcast using computers
d	screen	i	program used for text manipulation
e	integrated	j	copy files from a server to your PC or mobile
f	connected to the Internet		

F In pairs, discuss these questions.

- 1 How are/were computers used in your school?
- 2 How do you think computers will be used in school in the future?

Language work: collocations 1

A Look at the HELP box and then match the verbs (1-5) with the nouns (a-e) to make collocations from the text on pages 2-3.

- give
- a money
- 2 keep
- b a PIN
- 3 access
- c databases
- 4 enter 5 transfer
- **d** presentations e records

B Use collocations from A and the HELP box to complete these sentences.

Collocations 1

HELP box

Verbs and nouns often go together in English to make set phrases, for example access the Internet. These word combinations are called collocations. and they are very common. Learning collocations instead of individual words can help you remember which verb to use with which noun. Here are some examples from the text on pages 2-3: perform operations, do research, make calls, send texts, display data, write letters, store information, complete exercises, carry out transactions.

1	other public places.	from cares, notels, parks and many
2	Online banking lets you	between your accounts easily and securely.
3	Skype is a technology that enables users to	over the Internet for free
4	In many universities, students are encouraged to in order to make their talks more visually attractiv	
5	The Web has revolutionized the way peopleGoogle and Wikipedia, you can find the information	– with sites such as on you need in seconds.
6	Cookies allow a website to when you visit the website again, it remembers y	on a user's machine and later retrieve it; our preferences.
7	With the latest mobile phones, you canattachments – pictures, audio, even video.	with multimedia

Computers at work

A Silvarian Listen to four people talking about how they use computers at work. Write each speaker's job in the table.

electrical engineer secretary librarian composer

Speaker	Job	What they use computers for	
1			
2			
3			
4			



B 🔝 Listen again and write what each speaker uses their computer for.