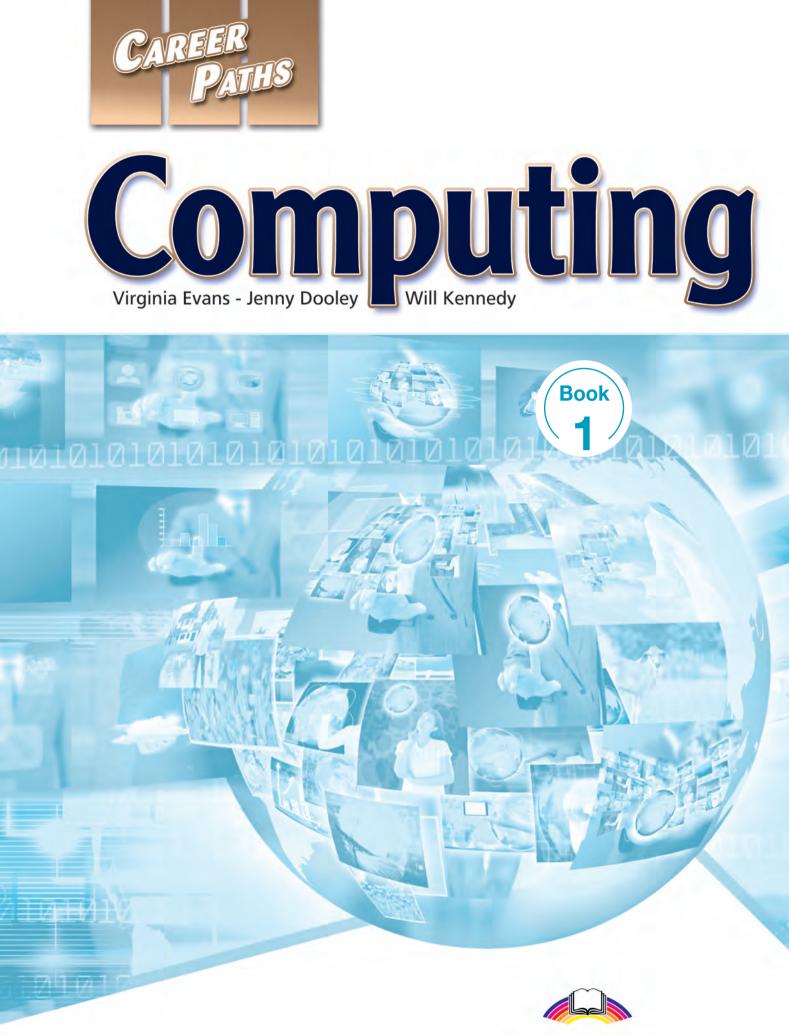


Express Publishing



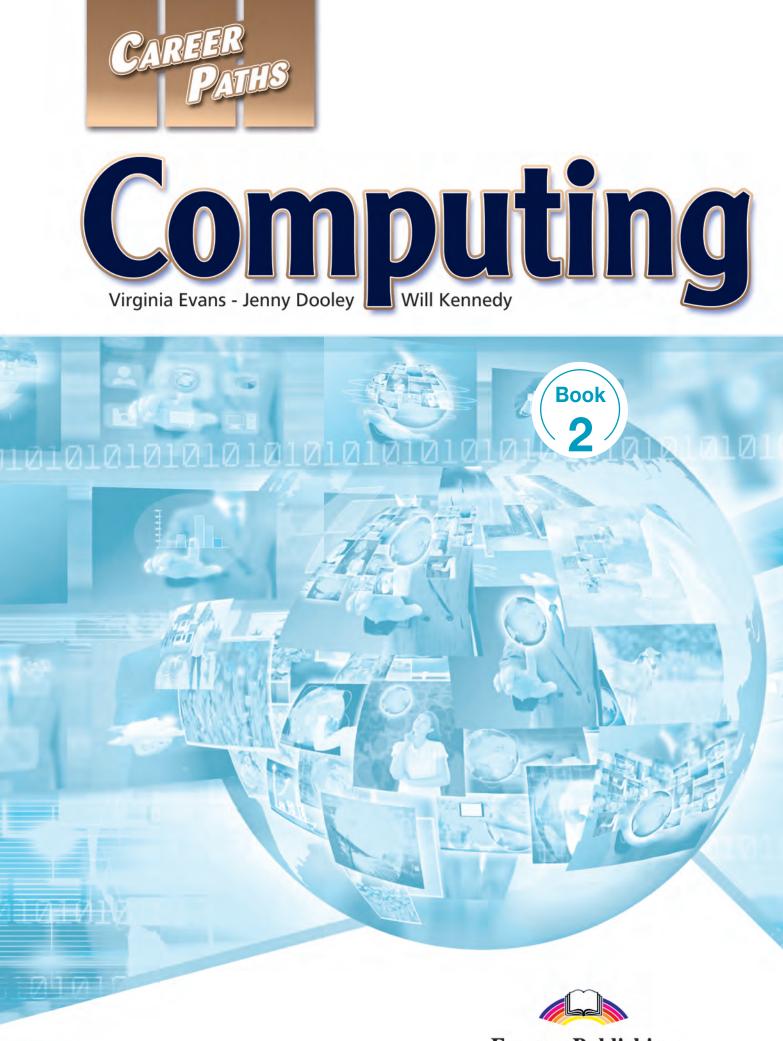
Express Publishing

Scope and Sequence

| Unit | Торіс | Reading context | Vocabulary | Function |
|------|------------------------------|------------------|--|-----------------------------------|
| 1 | Types of Computers | Magazine article | computer, desktop, laptop, notebook, personal computer, portable, power, server, tablet, workstation | Giving a strong response |
| 2 | Monitors | Article | aspect ratio, contrast, CRT, display, HD, LCD, monitor, resolution, response time, screen | Pointing out a difference |
| 3 | Keyboards | Blog post | Alt key, Caps Lock, Control key, diacritical mark, function key, keyboard, numeric keypad, QWERTY, Shift key, type | Giving instructions |
| 4 | Mice | Product listing | ball mouse, click, button, cordless mouse, laser mouse, LED mouse, mouse, scroll, scroll wheel, USB | Making a recommendation |
| 5 | Inside the Computer | Magazine article | case, CD drive, disk drive, fan, hard drive, heat sink, motherboard, port, power supply, processor | Describing a problem |
| 6 | Memory Storage Devices | Advertisement | burn, capacity, CD-R, flash drive, flash memory, GB, kB, MB, memory | Asking about size |
| 7 | Printers | E-mail | cartridge, dpi, ink, inkjet, laser printer, ppm, print, printer, toner, two-sided | Getting someone's attention |
| 8 | Scanners | Article | all-in-one, automatic document feeder, color depth, copy, flatbed, optical resolution, ppi, scan, scan area, scanner | Describing benefits |
| 9 | Cameras | Advertisement | compression, digital camera, digital zoom, JPEG, megapixel, optical zoom, pixel count, SD card, white balance | Giving a negative opinion |
| 10 | Smartphones | User manual | app, built-in feature, cell phone, GPS, MP3 player, service, smartphone, sync, touchscreen | Correcting a mistake |
| 11 | The User Interface | User guide | cursor, desktop, dropdown menu, folder, GUI, icon, organize, right-click, select, user | Asking about locations |
| 12 | E-mail 1 | Article | address book, drafts folder, e-mail, e-mail address, e-mail client, inbox, junk mail, sent folder, trash folder, webmail | Asking about completed tasks |
| 13 | E-mail 2 | E-mail | attach, Bcc, Cc, create, forward, recipient, reply, reply all, subject | Making an apology |
| 14 | E-mail 3 | Article | attachment, bounce back, configure, domain name, exceed, maximum, POP3 server, SMTP server, spam, time out, typo | Identifying an error |
| 15 | Instant Messaging | E-mail | available, busy, chat, contact list, file transfer, IM, one- to-one, provider, real-time, screen name, | Asking for an opinion |

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| Unit 15 – Instant Messaging |
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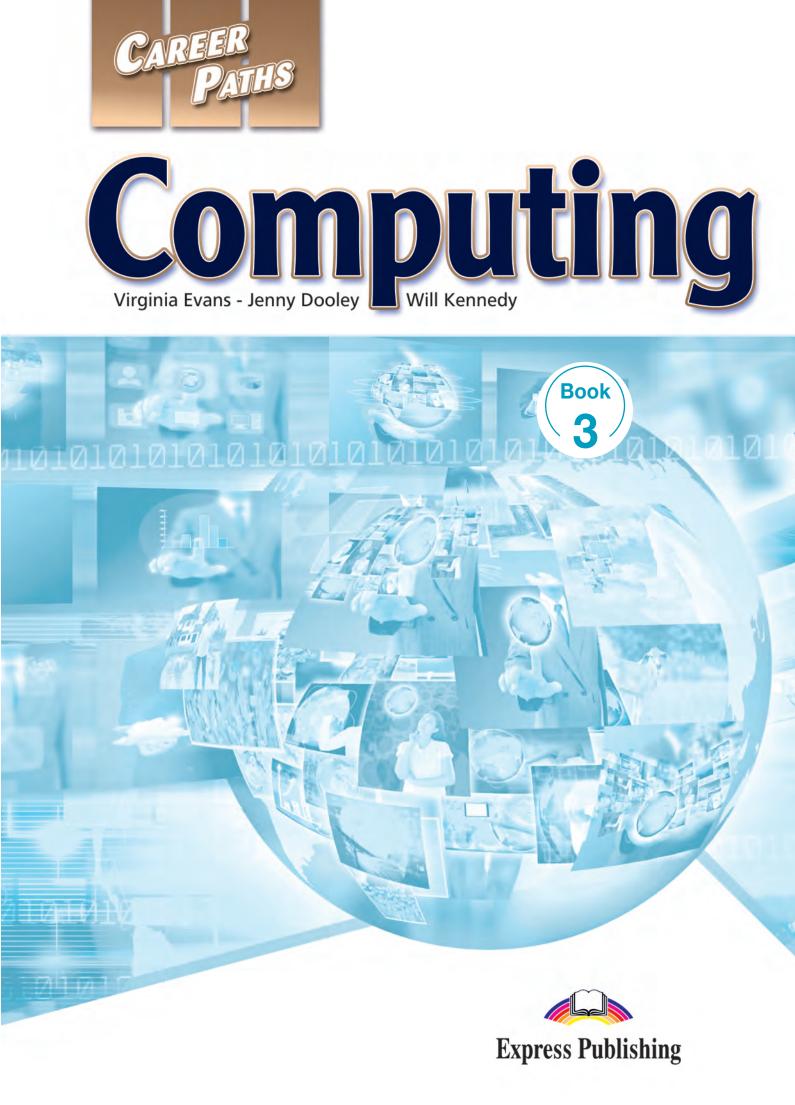
Express Publishing

Scope and Sequence

| Unit | Торіс | Reading context | Vocabulary | Function |
|------|--------------------------------------|--------------------------|--|-------------------------------|
| 1 | Word Processing: Uses | Guide | agenda, blank, business card, calendar, create, document, fax cover, memo, report, résumé, template, word processing | Talking about time |
| 2 | Word Processing: Actions | Manual | close, copy, cut, delete, edit, open, paste, redo, save, save as, select, undo | Changing your mind |
| 3 | Word Processing: Formatting | Memo | bold, bullet, center, column, font, format, indent, italic, margin, spacing, spell check, underline | Making a suggestion |
| 4 | Spreadsheets: Uses | E-mail | analyze, balance sheet, budget, data, database, equation, function, sales invoice, spreadsheet, timecard, track, workbook | Asking about a source |
| 5 | Spreadsheets: Actions | Webpage | calculate, chart, clear contents, clear formats, equal sign, filter, formula, formula bar, insert, sort, table, value | Clarifying instructions |
| 6 | Spreadsheets: Formatting | Troubleshooting guide | border, cell, column, lock, merge, printing area, row, set, shading, shrink to fit, split, wrap | Describing familiarity |
| 7 | Desktop Publishing 1 | Advertisement | clip art, comprehensive layout, design, desktop publishing(DTP), online, on-screen, page layout, print, publish, WYSIWYG | Discussing purpose |
| 8 | Desktop Publishing 2 | Note | A4, convert, find/change, item style, kerning, leading, letter, master page, paper size, PDF, typography | Describing degree |
| 9 | Image and Design 1 | Advice column | blurry, design, file format, layer, lossless compression, lossy compression, photo, pixel, raster graphic, sharpening, scaling, thumbnail, vector graphic | Describing expectations |
| 10 | Image and Design 2 | Instructions | blur, clone, crop, recompose, red eye, resize, retouch, sharpness, stamp, straighten, trim | Stating a negative opinion |
| 11 | Web Design and Web Development | Course descriptions | appearance, coding, content, CSS, functionality, navigation, usability, visibility, web design, web development | Describing differences |
| 12 | Web Browsing: Parts | User's guide | add-on, address bar, browser, bookmark, cookie, history, home page, search bar, tab, URL, webpage, website | Providing options |
| 13 | Web Browsing: Actions | Webpage | bookmark, disable, download, enable, enter, hang, link, load, log in, log out, refresh | Asking for help |
| 14 | Video Conferencing | Advertisement | audio input, bandwidth, codec, echo cancellation, face-to-face, multipoint, output device, video bridge, video conference, video conference system, visual input | Identifying a problem |
| 15 | Social Media | E-mail | advertise, blog, forum, friend, group, handle, link, profile, social media, social networking, trend | Making a prediction |

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Scope and Sequence

| Unit | Торіс | Reading context | Vocabulary | Function |
|------|---|------------------------|--|-----------------------------|
| 1 | Operating Systems | Letter | Apple [®] , color matching, customize, hardware, Linux [®] , Mac [®] , Microsoft [®] , OS X [®] , prepress, processing speed, software compatibility, upgrade, vulnerable, Windows [®] | Explaining an opinion |
| 2 | Media | Magazine article | Blu-ray, download, DVD, HD, media player, MP3, MPEG, multimedia, pause, play, stop, stream, upload | Asking about frequency |
| 3 | Networking: Devices and Equipment | Product listing | access point, antenna, cable, CAT-5, hub, modem, networking, router, switch, wireless network adapter | Asking for a favor |
| 4 | Networking: Types of Networks | Website | broadband, cable Internet, dial-up, DNS, DSL, Ethernet, hotspot, ISP, LAN, VPN, Wi-Fi, WLAN | Making a recommendation |
| 5 | Networks: Troubleshooting | Website | cache, clear, cycle, detect, disconnect, IP address, log in, password, plug in, renew, signal, TCP/IP | Providing reassurance |
| 6 | Viruses | Magazine article | host, embed, infect, overwriting virus, piggyback, replicate, resident extension, resident virus, Trojan horse, virus, worm | Describing concerns |
| 7 | Internet Crime | E-mail | backdoor, credit card, fraud, hack, hacker, identity theft, keylogger, malware, pharming, phishing, pretexting, security, spyware | Stressing a point |
| 8 | Anti-virus Software | Product description | anti-virus software, backup, block, detect, false negative, false positive, pop up, quarantine, removal, rootkit, update, web page analysis | Urging fast action |
| 9 | Firewalls | FAQs | access, default, deny, exception, firewall, incoming, packet, permission, permit, setting, traffic, unauthorized | Expressing confusion |
| 10 | Online Banking | Website | account activity, account number, bill pay, direct deposit, electronic funds transfer, electronic statement, monitor, online banking, payroll, PIN, site key, SSL connection | Clarifying a point |
| 11 | Telecommuting and Remote Access | E-mail | Basecamp [®] , centralize, conference call, Dropbox [®] , file sharing, message board, remote access, Skype [®] , telecommute, web-based | Expressing surprise |
| 12 | Careers in Computing | Magazine article | accounting, administrative assistant, blogger, computer literacy, computer science, data entry, IT, management, programmer, sales, software engineer, system administrator, tech support, web developer | Asking for more information |
| 13 | Cloud Computing: Types of Clouds | Magazine article | back end, cloud computing, community cloud, elasticity, front end, hybrid cloud, metered fee, private cloud, public cloud, scalability | Giving an example |
| 14 | Cloud Computing: SaaS | Website | application, deployment, distribution, hosted application management, install, pay as you go, Software as a Service(SaaS), software as a product, software license, software on demand, software suite | Expressing reservations |
| 15 | Cloud Computing: IaaS and PaaS | Advertisement | bandwidth, computing platform, hardware, Infrastructure as a Service(IaaS), infrastructure, outsource, Platform as a Service(PaaS), solution stack, storage, switch, utility computing | Making an admission |

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| Unit 11 – Telecommuting and Remote Access |
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| Unit 14 – Cloud Computing: SaaS |
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| Glossary |

Viruses

Get ready!

Before you read the passage, talk about these questions.

- 1 What are some common types of viruses?
- 2 What are some other kinds of harmful programs?

worm

overwriting virus

Distribution Article A

Viruses 101

by Jorie McFadden

The fear that a **virus** may **infect** your computer is a familiar one for many. Even casual computer users know that unfamiliar files may **host** viruses.

While viruses are a well-known threat, many computer users do not know their enemy. There are many specific types of viruses that one needs to guard against.

One dangerous type of virus is an **overwriting virus**. These viruses not only spread malicious code, they also replace the information contained in other programs. They erase important information, sometimes rendering a computer entirely unusable.

Another common virus is a **resident virus**. They stay dormant until a particular event activates them. If your computer harbors resident viruses, you may not discover them until the damage is done. These and other viruses often install themselves in the **resident extensions** of other programs.

A Trojan horse is another destructive type of program. It's not technically a virus, because it doesn't **replicate**, but it's still dangerous. A **Trojan horse** looks like an ordinary, useful file or program. However, it has destructive programming **embedded** in it. This programming may also **piggyback** onto beneficial files.

Lastly, unlike viruses and Trojan horses, a **worm** does not need to attach itself to another program. It is particularly troublesome because it attacks computers directly.

Reading

2 Read the magazine article. Then, choose the correct answers.

- 1 What is the main purpose of the article?
 - A to describe the types of viruses and other harmful programs
 - B to explain how to avoid viruses
 - **C** to stress the importance of having anti-virus software
 - **D** to alert readers to the existence of a new virus type
- 2 Which of the following is NOT a threat to computers?
 - A a resident virus
 - B an overwriting virus
 - C a worm
 - D a resident extension
- **3** How is a Trojan horse different from a virus?
 - A It attaches to another program.
 - **B** It is harmful to your computer.
 - C It does not replicate itself.
 - D It spreads within a network.

Vocabulary

3 Match the words or phrases (1-7) with the definitions (A-G).

- 1 ___ virus 5 ___ piggyback
- 2 _____host 6 _____resident extension
- **3** ____ embed **7** ____ overwriting virus
- 4 ____ resident virus
- A a harmful program that infects a computer
- **B** a virus that erases information by replacing it
- **C** to plant a harmful program within an ordinary program
- **D** a computer or program that carries a virus
- E a virus that is dormant until activated
- **F** the parts that are active even when a program is shut down
- G to attach to another program for transferring

4 Read the sentences and choose the correct words or phrases.

- 1 The **Trojan horse/worm** appeared to be a harmless video editing program.
- 2 The virus could **replicate/infect** itself and spread its copies to other computers.
- S Listen and read the magazine article again. Why might it be important to understand the types of programs that can threaten your computer?

Listening

6 Solution Listen to a conversation between two IT employees. Mark the following statements as true (T) or false (F).

- **1** ____ A virus has spread to several computers.
- **2** ____ The man has already checked the resident extensions.
- **3** ___ The woman suggests shutting down all of the computers.

Conversation. Conversation.

| Employee 1: | Gary reported that his desktop 1 It won't even boot up. | |
|-------------|---|--|
| Employee 2: | 2 looked at it? | |
| Employee 1: | Yeah, I checked it out earlier today. 3 it's probably a virus. | |
| Employee 2: | 4 it's not an overwriting virus, or we'll have trouble recovering his files. | |
| Employee 1: | He said he recently downloaded a new word processing program. 5 a Trojan horse. | |
| Employee 2: | Well, at least it would be 6 his computer. | |

Speaking

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

USE LANGUAGE SUCH AS:

I hope ... Maybe it was ... At least ...

Student A: You are an IT employee. Talk to Student B about:

- a co-worker's computer problems
- what might have caused the problem
- how to solve the problem

Student B: You are an IT employee. Talk to Student A about how to solve the problem.

Writing

9 Use the magazine article and the conversation from Task 8 to write an e-mail to an employee with a computer problem. Include: possible sources of the problem, virus types, and safety precautions.

Get ready!

Before you read the passage, talk about these questions.

- 1 What can make photos and other images appear blurry in a DTP layout?
- 2 What is the difference between raster graphic images and vector graphic images?

Tech Advice

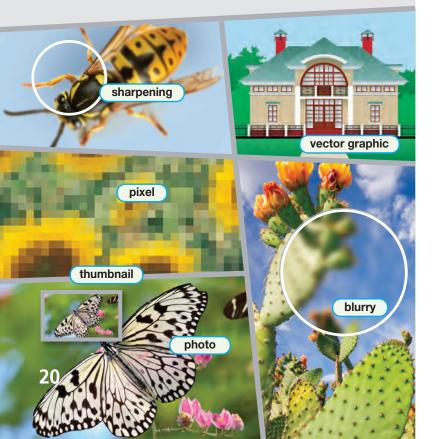
Whenever I import a **photo** into a **layer** of my CreativeDesign layout, the picture shows up **blurry**. What can I do to get clear photos into my page **designs**?

Look at how you're saving your photos. If you're saving your photos using **lossy compression**, your photos may blur. Save your photos using **lossless compression**. This will preserve the quality of your photos so that every **pixel** is visible. Make sure to save your photos in a **file format** that is compatible with CreativeDesign.

Remember to keep **scaling** in mind. If a photo is resized too drastically, it will become blurry. **Thumbnail**-sized photos should not be dramatically increased in size.

Make sure you're using the right type of image. Sometimes, a **vector graphic** will look better than a **raster graphic**, and vice versa.

Finally, don't forget the sharpening tool!



Reading

2 Read the advice column. Then, choose the correct answers.

- 1 What is the purpose of the passage?
 - A to explain how to improve image quality
 - **B** to compare and contrast image types
 - **C** to discuss types of design layouts
 - D to recommend editing software
- 2 Which of these is NOT mentioned as a way to decrease image blurriness?
 - A Use compatible file formats.
 - **B** Increase the size of thumbnails.
 - C Save images using lossless compression.
 - D Check if raster or vector graphics work better.
- **3** Why should lossless compression be used when saving photos?
 - A to save disk space
 - B to convert to vector graphics
 - C to decrease the size of photos
 - **D** to preserve the quality of photos

Vocabulary

3 Match the words or phrases (1-6) with the definitions (A-F).

- 1 ____ raster graphic 4 ____ vector graphic
- 2 __ lossless compression 5 __ file format
- **3** __ lossy compression **6** __ layer
- A data compression which guarantees that all original data can be restored exactly
- **B** a type of data compression that loses some data
- **C** a particular way of coding information for storage in a computer file
- **D** an image made up of a configuration of pixels
- **E** a separate canvas that is laid over other canvases to create an image
- **F** an image containing lines, curves or shapes determined by mathematical equations

4 Read the sentence pairs. Choose which word or phrase best fits each blank.

- 1 sharpening / scaling
 - A _____ corrects an image that is blurry.
 - **B** _____ calculates the necessary dimensions of an image in a document.

2 pixel / thumbnail

- A Each _____ in a picture can be only one of thousands or millions of colors.
- **B** A _____ provides a small preview of an image.

3 design / photo

- A Text, images, and graphics can be arranged into a _____.
- **B** A representation of a person or scene recorded by a camera is a _____.

5 Solution Listen and read the advice column again. How can blurry photos be prevented?

Listening

6 Solution Listen to a conversation between two employees. Mark the following statements as true (T) or false (F).

- **1** ____ The man is working with a vector graphic.
- **2** ____ The woman doubts a sharpening tool can fix the problem.
- **3** ____ The man wants to create a thumbnail for a website.

Conversation. Conversation.

| Employee 1: | I'm trying to put this photo into the report. But it keeps 1 |
|-------------|---|
| Employee 2: | Hmm. Do you know what type of graphic it is? |
| Employee 1: | l'm not sure. |
| Employee 2: | Well, I can see the 2 , so it must be a 3 |
| Employee 1: | I see. I don't 4 about this – is that the wrong kind? |
| Employee 2: | No – you can use those or 5 |
| Employee 1: | Oh, good. So can you 6 ? |

Speaking

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

USE LANGUAGE SUCH AS:

What type ...? It's probably a ... Can you fix it?

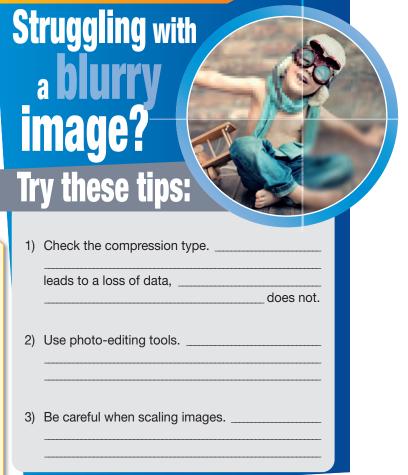
Student A: You are an employee working with an image. Talk to Student B about:

- a problem with the image
- what kind of image it is
- how to fix it

Student B: You are an employee. Talk to Student A about a problem with an image.

Writing

9 Use the conversation from Task 8 to write instructions on working with a blurry image.



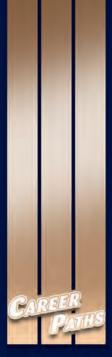
Glossary

address book [N-COUNT-U12] An address book is an organized list of e-mail contacts.

- all-in-one [ADJ-U8] An all-in-one machine is a single machine that combines printing, scanning, copying and faxing.
- Alt key [N-COUNT-U3] The Alt key is a key that gives another key an alternative function when both keys are pressed at the same time.
- **app** [N-COUNT-U10] An **app**, short for 'application', is a program designed for a specific use that can be purchased and downloaded wirelessly to a smartphone.
- aspect ratio [N-COUNT-U2] The aspect ratio of a computer display is the ratio of its long side to its short side.
- attach [V-T-U13] To attach is to include a downloadable document with an e-mail.
- attachment [N-COUNT-U14] An attachment is a file added to an e-mail and sent along with it.
- automatic document feeder [N-COUNT-U8] An automatic document feeder is a mechanized device that sends paper from a stack through a scanner or printer.

available [ADJ-U15] If you are available, you are online and capable of chatting on IM.

- ball mouse [N-COUNT-U4] A ball mouse, also called a mechanical mouse, uses a rubber ball to track hand movements.
- **Bcc (blind carbon copy)** [N-COUNT-U13] A **Bcc (blind carbon copy)** is a copy of an e-mail sent to someone in which the identities of other recipients is hidden.
- bounce back [V-T-U14] To bounce back is to return an e-mail to the sender without it being delivered.
- built-in [ADJ-U10] A built-in feature of a product is a feature the product already has at the time of purchase.
- burn [V-T-U6] To burn a disk is to write data from a computer onto a disk.
- busy [ADJ-U15] If you are busy, you are away from your computer or otherwise unavailable to chat.
- button [N-COUNT-U4] A button is the part of a mouse that is pushed to select items on the computer screen.
- capacity [N-UNCOUNT-U6] Capacity is the amount of storage space on a disk.
- Caps Lock [N-COUNT-U3] The Caps Lock is a key on the keyboard that is used for typing all capital letters when it is pressed.
- cartridge [N-COUNT-U7] A cartridge is a device that holds ink or toner in a printer and can be replaced.
- case [N-COUNT-U5] A case is the outer protective enclosure that contains computer parts.
- Cc (carbon copy) [N-COUNT-U13] A Cc (carbon copy) is a duplicate of an e-mail that has been sent to another person.
- CD drive [N-COUNT-U5] A CD drive is a device that reads and writes data to compact disks.
- CD-R [N-COUNT-U6] A CD-R is a disk that can be used to store data.
- **cell phone** [N-COUNT-U10] A **cell phone**, also known as a mobile phone, is a wireless device that can make and receive phone calls.
- chat [V-T-U15] To chat is to communicate with instant messages.
- click [V-T-U4] To click an item on the screen is to place the cursor on it and press the mouse button.
- color depth [N-COUNT-U8] Color depth is the number of different colors that a scanner can represent.
- **compression** [N-UNCOUNT-U9] **Compression** is the process of reducing the size of digital photos by changing the way data is encoded.



Computing

Career Paths: Computing is a new educational resource for all professionals who want to improve their English communication regarding computing. Incorporating career-specific vocabulary and contexts, each unit offers step-by-step instruction that immerses students in the four key language components: reading, listening, speaking, and writing. *Career Paths: Computing* addresses topics including computer accessories, common programs, operating systems, online communication, and cloud computing.

The series is organized into three levels of difficulty and offers over 500 vocabulary terms and phrases. Every unit includes a test of reading comprehension, vocabulary, and listening skills, and leads students through written and oral production.

Included Features:

- A variety of realistic reading passages
- Career-specific dialogues
- · 45 reading and listening comprehension checks
- · Over 400 vocabulary terms and phrases
- · Guided speaking and writing exercises
- · Full answer key and audio scripts
- · Complete glossary of terms and phrases

The **Teacher's Book** contains a full answer key and audioscripts. The **audio CDs** contain all recorded material.



