

# 14 TECHNOLOGY

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### backup /'bækʌp/ Noun

a *backup* is a copy of a piece of information on a computer that you can use if the original is lost or damaged

Collocates: make a backup

*you should always make regular backups | remember to make a backup copy of the file*

Verb: *back up*

*it's always a good idea to back up any important documents | I lost a day's work because I'd forgotten to back it up*

### back up /,bæk 'ʌp/ Phrasal verb

if you *back up* a piece of information on a computer, you make a copy of it so that you can use it if the original is lost or damaged

*it's always a good idea to back up any important documents | I lost a day's work because I'd forgotten to back it up*

Noun: *backup*

Collocates: make a backup

*you should always make regular backups | remember to make a backup copy of the file*

### blank /blæŋk/ adjective

*blank* means not containing any information such as writing, images, sound, etc

*my computer crashed and the screen suddenly went blank | it was just a blank disk, there was nothing on it | a blank piece of paper | please leave the last section blank*

### cable /'keɪb(ə)/ Noun

a *cable* is a thick wire covered in plastic that carries electricity or digital information

*she tripped over a loose cable | an electric cable | an underground cable | the signals are transmitted on three separate cables*

### come up /,kʌm 'ʌp/ Phrasal verb

if information *comes up* on a computer screen, it appears

Collocates: come up on something

*move the mouse over the image and the instructions should come up | she pressed the enter key and a new window came up on the screen*

### desk /desk/ Noun

a *desk* is a place where you can get help or information, for example in an airport or a hotel

Collocates: check-in/help/information desk

*I'm sorry, I can't help you – have you tried the information desk? | if you're having problems with the computer system then phone the help desk | when you arrive, proceed straight to the check-in desk*

### desktop /'desk,tɒp/ Noun

a *desktop* is the background of a computer screen which shows icons (small pictures) of programs that can be used

*have you tried downloading it to your desktop and seeing if you can open it from there? | you should now see a red and green icon on your desktop*

### external /'ɪk'stɜː(r)n(ə)/ Adjective

something that is *external* is on the outside or comes from outside an object, building, organisation, etc.

*the computer has an external hard drive | the external walls of the house | his external appearance | the managers decided to consult an external advisor (from outside the company) | this medicine is for external use only (used on the outside of the body and not swallowed)*

Adverb: *externally* | Opposite: *internal*

*the project is externally financed | internal walls | there was an internal inquiry | he suffered internal bleeding (bleeding inside his body) | internal injuries*

### file /faɪl/ Noun

a *file* is a set of information with a name on a computer  
*I can't open the file | the files were corrupted | you'll have to rename the file | can you copy this file onto my computer?*

### folder /'fɔːldə(r)/ Noun

a *folder* is a group of files stored together on a computer  
*those folders contain files that everyone uses | are you sure you're looking in the right folder? | only certain people can access that folder*

### free /friː/ Verb

if you *free* or *free up* someone or something, you make them available to be used for something

Collocates: free (up) someone or something to do something

*you ought to delete those old files to free some space | the sale of the property will free up much needed funds | extra help should free him up to concentrate on the cooking*

Adjective: *free*

*is this chair free? | I think I can see some free seats at the back*

### icon /'aɪkɒn/ Noun

an *icon* is a small picture on a computer screen which opens a particular program when you press on it with a computer mouse or touch it with your finger

*click on the printer icon and wait a few seconds | the camera icon means an image is available*

### keyboard /'kiː,bɔː(r)d / Noun

a *keyboard* is a piece of equipment that is used to put information into a computer. Keys are the letters and numbers that you press on a keyboard

*be careful not to spill coffee over the keyboard | you'll need good keyboard skills*

Noun: *key*

*select the file and press the delete key*

**knock** /nɒk/ Verb

if you *knock* something, you touch or hit it by accident, especially so that it moves or falls

*Rob tripped on a wire and managed to knock the whole computer over | I accidentally knocked a glass off the shelf | he ran across the room, knocking down several chairs in the process*

**offender** /ə'fendə(r)/ Noun

if you say that someone or something is an *offender*, you think that they are causing a problem

Collocates: the worst offender

*people often forget to lock this cupboard and I'm afraid you're one of the worst offenders!*

**password** /'pɑ:s,wɜ:(r)d/ Noun

a *password* is a secret group of letters or numbers that you type into a computer system or electronic device so that you can use it

*I can't access my account because I've forgotten the password | type in your username and password | have you changed your password yet? | the system is password-protected*

**protection** /prə'tekʃ(ə)n/ Noun uncount

*protection* is the process of keeping someone or something safe from harm or damage

Collocates: protection against/from something

*security software will give you greater protection from viruses | a healthy diet could offer protection against cancer*

Verb: *protect*

Collocates: protect someone or something against/from something

*run the latest security software to ensure your computer stays protected | what can we do to protect ourselves against heart disease? | there was an umbrella over the table but it didn't fully protect us from the sun*

**re-** /ri:/ Prefix

*re-* means again. It is used with verbs and nouns

*food never tastes as good when it's reheated | the mayor was re-elected | he re-read the letter three times to make sure he'd understood it | the two players were hoping for a rematch*

**reset** /,ri:'set/ Verb

if you *reset* a machine or device, you make changes so that it will work again or work in a different way

*I'll reset your password and send you a new one in a minute | she reset her alarm clock for 6am | the scales were reset to zero at the end of each test*

Noun: *reset*

*your password reset was successful | press the reset button before you turn it on again*

**scan** /'skæn/ Verb

if a computer disk is *scanned*, a computer program checks it to make sure that it does not contain viruses (programs that destroy information)

*the disk was scanned for viruses before we started using it*

Noun: *scan*

*it could be a virus - you need to run a security scan*

**scan** /'skæn/ Verb

if you *scan* something, you use a piece of equipment to create an electronic picture of it on a computer

*you can scan the pictures onto your computer | please scan the application form and send it by email*

Noun: *scan* | Noun: *scanner*

*could you send me a scan of the signed page? | place the document on the scanner*

**scanner** /'skænə(r)/ Noun

a *scanner* is a piece of equipment that is used for creating an electronic picture of something on a computer

*place the document on the scanner*

Verb: *scan* | Noun: *scan*

*you can scan the pictures onto your computer | please scan the application form and send it by email | could you send me a scan of the signed page?*

**select** /sɪ'lekt/ Verb

if you *select* something, you choose it from a group of things. If you *select* something on a computer screen, you choose it from a list of choices

*select 'open' and then 'edit file' | when I try to select one of the options, nothing happens*

**social media campaign** /səʊʃəl 'mi:diə kæm,peɪn/ Noun

a *campaign* is a series of things you say or do because you want to persuade people about something. A *social media campaign* is a campaign that uses new technology like Facebook and Twitter to communicate this information

*my boss wants me to run our social media campaign | how do you launch a successful social media campaign?*

**socket** /'sɒkɪt/ Noun

a *socket* is a place with holes in a wall or machine where you can connect electrical equipment

*there's a socket behind you on the wall | make sure you plug the keyboard into the correct socket*

**trip** /trip/ Verb

if you *trip*, your foot hits something by accident and you fall or lose your balance

Collocates: trip on/over something

*I tripped over the cable | he tripped on a rock and banged his head | it's really slippery so be careful you don't trip! | she tripped down the stairs*

Noun: *trip*

*it was only a little trip but she broke her arm badly*

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**advance** /əd'vɑ:ns/ Verb

to *advance* means to move forward and towards something or someone

Collocates: advance on somewhere

*if you can match all the images, then you advance to the next level | collect £200 and advance to Mayfair | reports suggest that rebel forces are advancing on the major cities*

**black market** /ˌblæk 'mɑ:(r)kɪt/ Noun singular  
 if something is bought or sold on the *black market*, it is bought or sold illegally, usually because it is not possible or very expensive to buy legally  
 Collocates: on the black market  
*ivory can fetch thousands of dollars on the black market | dollar shortages have been fuelling a thriving black market | the black market price of bread is eight times the regulated price*

**clear** /kliə(r)/ Verb  
 if you *clear* a place or *clear* something from it, you remove things that are not wanted there  
 Collocates: clear something from somewhere | clear somewhere of something  
*can you clear the glasses from the tables? | the area was thoroughly cleared of rubbish | the ground had been cleared in preparation for the builders | you have to clear all the bricks before the time runs out*

**comfort** /'kʌmfə(r)t/ Noun uncount  
*comfort* is when you feel physically relaxed and happy because you are in a pleasant place  
*you can shop from the comfort of your own home | seats have been widened to improve passenger comfort | we were able to lie back and relax in comfort | the mattress has extra padding for added comfort*  
 Adjective: *comfortable* || Opposites – Noun: *discomfort* | Adjective: *uncomfortable*  
*a warm and comfortable bed | just make yourself comfortable and I'll be with you shortly | careful design is needed to minimise user discomfort | these shoes are really uncomfortable | I had to sleep in a very uncomfortable position*

**consumer** /kən'sju:mə(r)/ Noun  
 a *consumer* is a person who buys and uses goods and services  
*competition drives down prices and ultimately benefits consumers | consumer rights | consumer spending | consumer groups (organisations protecting consumers) have criticised some of these changes*

**detailed** /'di:teɪld/ adjective  
 a *detail* is a small fact or piece of information relating to something. If something is *detailed*, it includes many small facts or aspects  
*they plan to carry out a detailed investigation | she has a detailed knowledge of medieval literature | he gave a detailed account of yesterday's meeting | the drawings were incredibly detailed*  
 Noun: *detail*  
 Collocates: in detail  
*she explained the whole thing in great detail | you don't need to worry about describing every detail | Alec had planned everything down to the very last detail*

**endless** /'endləs/ Adjective  
 if something is *endless*, it seems to have no end or limit  
*the possibilities are endless | it provided endless hours of entertainment | the journey home each afternoon seemed endless | there was an endless debate about the best course of action | the list is endless*

Noun: *endlessly*  
*women have fought endlessly for equality and fair treatment | we talked endlessly about how to approach the problem | endlessly long rows of houses*

**WORD BUILDING: ADJECTIVES THAT END WITH -LESS**

We often add **-less** to nouns to make an adjective like **endless** (from the noun **end**). It usually means 'without something'.

- careless:** a careless mistake
- powerless:** he felt completely powerless
- endless:** there are endless possibilities
- sleepless:** I had a sleepless night
- homeless:** he ended up homeless
- speechless:** I was absolutely speechless with anger
- hopeless:** it was a hopeless situation
- useless:** a useless machine
- painless:** a fairly painless experience
- worthless:** a worthless piece of rubbish

**enemy** /'enəmi/ Noun  
 an *enemy* is someone who is opposed to you and may try to cause problems for you or harm you  
 Collocates: an enemy of something | make enemies | make an enemy of someone  
*an enemy soldier | enemy fire (shooting at you by an enemy) | four enemy aircraft escaped after scoring direct hits | is this man really an enemy of the state? | be assertive but try not to make enemies | it would be unwise to make an enemy of someone so powerful | she'll never admit she needs help - she's her own worst enemy (the cause of her own problems)*

**enhance** /ɪn'hɑ:ns/ Verb  
 to *enhance* something means to improve it or make it look more attractive  
*this skill will greatly enhance your musical creativity | in what ways can technology enhance traditional methods? | hearing poetry enhances our understanding of it*  
 Noun: *enhancement*  
*our product enhancements are cost and fuel effective | the children's section also has significant enhancements | skill development and performance enhancement are difficult tasks*

**experience** /ɪk'spiəriəns/ Verb  
 if you *experience* a particular feeling, situation, or problem, it happens to you or affects you  
*it allows you to experience the daily life of a farmer | the business is experiencing one or two difficulties at the moment | it was easily one of the best holidays I've ever experienced | patients experience different levels of discomfort*  
 Noun: *experience*  
 Collocates: have an experience | an experience of/with something  
*a lot of people we've spoken to have had a similar experience | it was his first experience of being in a foreign country | that's not the first time we've had a bad experience with that company | it must have been a fascinating experience for him*

**fantasy** /'fæntəsi/ Noun

a *fantasy* is a pleasant state or situation that is not true or real

*the idea of living in a castle is just pure fantasy | the game was a way of living a fantasy version of my life | a romantic fantasy*

**gaming** /'geɪmɪŋ/ Noun uncount

*gaming* is the activity of playing computer games.

Someone who plays computer games very regularly is a *gamer*

*do you have any hobbies outside of gaming? | this show is one every gaming enthusiast should consider attending! | it's the ultimate gaming system | the gaming industry is worth millions of dollars*

Noun: *gamer*

*Tom has always been a keen gamer | she's a regular gamer*

**gather** /'gæðə(r)/ Verb

if you *gather* things, you bring them together so that you can use them

*you gather resources to build your own city | we gathered bits of wood and began to build a fire | he gathered his things and headed for the door | data is gathered via a questionnaire | a group of experts have been gathered together*

**household** /'haʊs,həʊld/ Adjective

*household* means connected with a house or flat and all the people living in it

*I'm working for a company that sells household goods | their total household income has dropped significantly | household appliances | household bills | household expenses*

**interact** /,ɪntər'ækt/ Verb

if two or more people *interact*, or if one person *interacts* with another, they communicate and react to each other while doing an activity together

Collocates: interact with someone

*you can play on your own or interact with other players | the drama group gives younger children the opportunity to interact with older pupils | students learn through talking and interacting*

Noun: *interaction* | Adjective: *interactive*

Collocates: interaction between/with | social interaction

*I enjoy the interaction with students from other courses | interaction between different teams can be extremely productive | it's an interesting job but I do get lonely from the lack of social interaction | teaching is done in small, interactive workshops*

**machinery** /mə'ʃi:nəri/ Noun uncount

a *machine* is a piece of equipment that does a particular kind of work. *Machinery* is a word used to refer to machines in general, especially in a factory or on a farm, etc

Collocates: agricultural/industrial machinery | farm machinery | heavy machinery

*modern machinery and advanced technology assures quality control | the factory had over £1m of machinery*

Noun: *machine*

Collocates: by machine

*a coffee machine | a fax machine | a washing machine | everything is made by machine these days | I was taught how to operate the machines*

**mission** /'mɪʃ(ə)n/ Noun

a *mission* is an important piece of work that a person or group of people is given to do, especially one that involves travelling

Collocates: on a mission | a diplomatic/peace/rescue mission

*he was sent on a diplomatic mission to South Africa | you take on the role of an army leader and go on a mission to recover papers from the enemy base | the British navy were involved in the rescue mission*

**modification** /,mɒdɪfɪ'keɪʃ(ə)n/ Noun

a *modification* is a small change to something, especially in order to improve it

Collocates: modification of/to something

*the system allows you to make minor modifications | modification of the engine is required | there's been a small modification to the rear door | the board ultimately approved the plan without modifications*

Verb: *modify*

*they've agreed to modify their returns policy to make exchanging goods easier | this is a modified version of an earlier model | the engine has been modified to run on biofuel*

**modify** /'mɒdɪfaɪ/ Verb

if you *modify* something, you change it slightly in order to improve it

*they've agreed to modify their returns policy to make exchanging goods easier | this is a modified version of an earlier model | the engine has been modified to run on biofuel*

Noun: *modification*

Collocates: modification of/to something

*the system allows you to make minor modifications | modification of the engine is required | there's been a small modification to the rear door | the board ultimately approved the plan without modifications*

**multi-** /mʌlti/ Prefix

*multi-* means many or several. It is used with adjectives and nouns

*a multilingual education policy | Dodgson is a multimillionaire | the beach was dotted with multicoloured umbrellas | compete with your friends via our multiplayer option*

**obsessed** /əb'sest/ adjective

if someone is *obsessed* with something or someone, they think about them all the time and find it difficult to think about or do anything else

Collocates: obsessed by/with something or someone

*he was obsessed with computer games | the government are increasingly obsessed by league tables | she was obsessed with thoughts of food | Annie was obsessed by Jack, constantly calling him throughout the day*

Noun: *obsession* | Adjective: *obsessive* | Verb: *obsess*

Collocates: an obsession with something or someone | obsessive about something or someone | obsess about/over something

*she had an obsession with cleanliness | her fascination with him is bordering on obsession (is almost an obsession) | she's obsessive about the state of the house | he's always been a bit obsessive about his appearance | he was completely obsessed by the thought of seeing her again | she was constantly obsessing over her diet*

**occupation** /ˌɒkjʊˈpeɪʃ(ə)n/ Noun

an *occupation* is a job. This word is used in forms and formal writing

*the industry is home to many different occupations and employs thousands across the world | please supply your name, address and occupation*

**opponent** /əˈpəʊnənt/ Noun

an *opponent* is someone who is competing against you  
*it's a driving game where you race against different opponents | he received a much greater percentage of the vote than his opponent | he lost the match but Daniels was a tough opponent | her former assistant is now one of her most outspoken opponents*

**recover** /rɪˈkʌvə(r)/ Verb

if you *recover* something that has been lost or stolen, you get it back again

Collocates: recover something from somewhere  
*police recovered stolen jewellery worth thousands of pounds from a house in Clapham | you take on the role of an army leader and go on a mission to recover papers from the enemy base | although the gang were arrested, some of the goods were never recovered*

Noun: *recovery*

Collocates: recovery of something  
*recovery of stolen goods | the owner is offering a substantial reward for recovery of the missing paintings*

**release** /rɪˈliːs/ Verb

if you *release* something or someone, you allow them to leave a place where they have been kept. If you *release* a film, book, game, song, etc, you make it available for people to see or buy for the first time

*the band have just released their third album | the game was released a couple of weeks later than advertised*

Noun: *release*

*the film is on general release next Friday | what do you think of the band's latest release?*

**remarkable** /rɪˈmɑː(r)kəb(ə)/ Adjective

something or someone that is *remarkable* is unusual in a way which makes people surprised or impressed

*the computer and video games industry has experienced remarkable growth | it's a remarkable achievement | Janice made a remarkable recovery from her injuries | the show was a remarkable success | Mr Mitchell was a remarkable headteacher*

Adverb: *remarkably*

*Mr Galvin was remarkably successful in the local elections | you've done remarkably well this year | Karl speaks remarkably good Italian*

**resource** /rɪˈzɔː(r)s/ Noun

a *resource* is something that you can use to help you achieve or create something

*to succeed, you need to make efficient use of resources | educational resources | financial resources | the university library is a fantastic resource | the whole task will be much easier if we pool (combine) our resources | the country is rich in natural resources (wood, oil, coal, etc)*

Adjective: *resourced*

*the country's hospitals are not adequately resourced | the school is well resourced*

**row** /rəʊ/ Noun

a *row* is a series of things or people in a straight line

Collocates: a row of something

*you need to have three bricks of the same colour in a row | the chairs were arranged in neat rows | there was a row of pretty cottages by the river | a row of people were queuing by the entrance*

**safely** /ˈseɪfli/ adverb

if you do something *safely*, you do it in a way that is not likely to cause damage or harm

*he landed the jet safely | 'drive safely!' she called as I set off | both vessels were brought safely to port | the drugs were locked safely in a cupboard*

Adjective: *safe* | Noun: *safety*

*flying is much safer than travelling by car | are these drugs safe? | this method of birth control is safe and reliable | it's unclear whether such foods are safe for young children | local campaigns to improve road safety*

**virtual** /ˈvɜː(r)tʃʊəl/ Adjective

*virtual* means created by computer software, and appearing on computers or the internet

*it's a virtual world where you can create characters and stories | a virtual community | a virtual network | students can access a wide range of resources via a virtual library*

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## PAGES 128–129

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**app** /æp/ Noun

an *app* is a piece of software that is designed for a particular purpose, especially one used on a tablet computer or mobile phone. *App* is short for *application*  
*a new dictionary app is now available | is there a free app? | you can download the app from our online store | I'm having trouble installing the app*

**attacker** /əˈtækə(r)/ Noun

to *attack* a person or a place means to try to hurt or damage them by using violence. An *attacker* is a person who attacks someone

*it's supposed to scare off attackers | her attackers are now serving jail sentences totalling 19 years | the identity of the attacker remains unclear*

Verb: *attack* | Noun: *attack*

Collocates: come under attack | an attack on someone/something

*the dog suddenly attacked me and bit my leg | the officer was brutally attacked with a knife | a violent racist*

*attack* | *the soldiers came under attack* | *violent attacks on young women*

**automatically** /ɔ:tə'mætɪkli/ Adverb

if a machine does something *automatically*, it has no human help

*the machine does everything automatically* | *the system shuts down automatically* | *it automatically adjusts the temperature* | *the light just comes on automatically when you open the door*

Adjective: *automatic*

*the automatic doors opened* | *a fully automatic gearbox* | *the wash process is completely automatic*

**build in** /bɪld 'ɪn/ Phrasal verb

to *build* something *in* means to make it part of something else

*the suitcase has GPS built in, so you can track it wherever it is* | *it has a sensor built in that can tell what temperature it is* | *the kitchen cupboards are built in*

Adjective: *built-in*

*a built-in wardrobe* | *built-in cupboards/shelves* | *use the built-in microphone on your camera*

**edit** /'edit/ Verb

if you *edit* a document, you correct mistakes and make changes so that it is ready to be published. If you *edit* a film or video, you arrange it in a particular order and take out the parts that you do not want

*the software allows you to record, edit and share videos* | *the recorded interview was edited for broadcast* | *the text has been edited for length* | *this is the edited version*

Noun: *edit* | Noun: *editing* | Noun: *editor* |

Adjective: *editorial*

*only minor edits should be made to this page* | *any edits must be authorised by the author* | *excellent typing and editing skills are necessary* | *some scenes were cut during editing* | *a magazine/newspaper editor* | *a managing editor* | *the editors value your comments* | *the editor's word is final* | *the author has retained editorial control* | *editorial guidelines* | *comments will be moderated by the editorial team*

**gadget** /'gædʒɪt/ Noun

a *gadget* is a small machine or device which helps you do something useful

*a clever kitchen gadget* | *he loves all the latest gadgets* | *there are gadgets available to make exercise more fun* | *that's a useful gadget*

Noun: *gadgets*

*it doesn't rely solely on technical gadgetry* | *did they do that themselves or do they use some kind of gadgetry?*

**interface** /'ɪntə(r),feɪs/ Noun

an *interface* is the point in a computer system where information passes from the computer to the person using it

*it's got a very clear user interface* | *this interface isn't very user-friendly – it's quite confusing* | *many of today's software programs have a graphical user interface*

**on earth** /ɒn 'ɜ:(r)θ/ Phrase

used for adding emphasis to questions with *what*, *why*, *where*, etc, especially when the person asking the

question is surprised, angry, or does not think there is an obvious answer

*why on earth would you want to do that?* | *what on earth did you say to her?* | *how on earth is he going to pay for it?*

**pillow** /'pɪləʊ/ Noun

a *pillow* is a soft object that you rest your head on when you are in bed

*this is a really comfy pillow* | *Alice was lying propped up on pillows* | *Tom has just bought a pillow with built-in speakers*

**random** /'rændəm/ Adjective

*random* means not following any particular method, pattern, or purpose

Collocates: a random sample/selection

*my friends James and Jodie review random stuff chosen by listeners* | *they took a random sample of customers* | *it's just a random selection of my favourite songs*

Adverb: *randomly*

Collocates: randomly select

*participants were randomly selected* | *a computer randomly selects 20 numbers every 4 minutes* | *the patterns used are generated randomly*

**reminder** /rɪ'maɪndə(r)/ Noun

if you *remind* someone about something or remind them to do it, you help them remember to do it. A *reminder* is a letter or note that reminds you about something you need to remember to do

*I'm bound to forget – can you send me a reminder?* | *they issue a reminder if you forget to pay* | *just a quick reminder to let you know we're starting at 3pm* | *it's the final reminder for the electricity bill*

Verb: *remind*

Collocates: remind someone about something | remind someone to do something

*she reminded me about my doctor's appointment* | *can you remind me to phone dad?* | *remind Annabel to bring sandwiches*

**remote** /rɪ'məʊt/ Adjective

*remote* means capable of being operated from a distance, usually using an electronic link

Collocates: a remote control

*use the remote control to change channels* | *a remote locking system* | *remote access* | *you need to get an app to use the remote lock*

Adverb: *remotely*

*a remotely controlled lighting system*

**run** /rʌn/ Verb

if a machine *runs on* or *runs off* a type of energy, it uses that type of energy

*the whole house runs on solar power* | *he's got this new bike that runs on a small battery* | *we can run the lighting off the mains (the electricity that comes into the house from outside)* | *does the van run on diesel or petrol?*

**scare off** /skeə(r) 'ɒf/ Phrasal verb

*scared* means frightened. If you *scare* someone *off*, you make them so frightened that they go away. You can also say *scare* someone *away*

*the cry for help is supposed to scare off attackers in the street | the intruder was scared away when she started to scream | a loud noise scared the birds off*

**sensor** /'sensə(r)/ Noun

a *sensor* is a piece of equipment that reacts to physical changes such as heat or light

*it has a built-in sensor that can read the temperature | the cleaner contains sensors which detect the amount of dust in the atmosphere | heat sensors were placed throughout the house | the exhaust fumes pass the oxygen sensor*

**smash** /smæʃ/ Verb

if you *smash* something or it *smashes*, it breaks into many pieces by being dropped or hit

*the ball flew across the garden and smashed the window | Jackie's beautiful vase fell off the shelf and smashed into tiny pieces | I dropped my phone and smashed the screen*

**solar** /'səʊlə(r)/ Adjective

*solar* means coming from or relating to the sun

Collocates: solar power/energy

*the whole house runs on solar power | there are solar panels on the roof | solar energy has never been more affordable | the biggest planet in the solar system*

**timer** /'taɪmə(r)/ Noun

a *timer* is a piece of equipment that measures time, especially one that makes a machine start or stop working at a particular time

*remember to set the timer so that the heating comes on | the lights are on a timer | I set the timer for 20 minutes | an electronic timer*

**torch** /tɔː(r)tʃ/ Noun

a *torch* is a small electric light that is powered by batteries and which you hold in your hand. The American word is *flashlight*

*a powerful torch | Kerstin shone the torch straight into his eyes | it's a useful app that turns your phone into a torch*

**track** /træk/ Verb

if you *track* someone or something, you use a special device to follow their movements

*the suitcase has GPS built in, so you can track it wherever it is | all containers are numbered and tracked using computerised systems | the cat had a tracking device fitted to its collar*

**user-friendly** /'juːzə(r)'fren(d)li/ Adjective

something that is *user-friendly* is easy for people to use or understand

*the website is very user-friendly | it presents information in a clear, user-friendly interface | the instructions weren't particularly user-friendly*

Noun: *user-friendliness*

*the user-friendliness of the site will definitely appeal to many | it will provide software developers an opportunity to improve the product's overall effectiveness and user-friendliness*

**PAGE 130****condition** /kən'dɪʃ(ə)n/ Noun

a *condition* is a long-term illness or health problem

Collocates: a medical condition | a heart/skin/lung condition  
*he's got an incurable medical condition | she's suffering from a terrible skin condition | the twins were born with a serious heart condition | the consultant thinks I may have a lung condition*

**data** /'deɪtə/ Noun

*data* is facts or information that can be analysed and used for making calculations or decisions

*none of the personal data collected is ever passed on | the results are the same, regardless of how the data is interpreted | the data is then analysed and recorded | data analysis | the study was based on data from 1000 adults aged between 20 and 35*

**lung** /lʌŋ/ Noun

your *lungs* are the two organs inside your chest that fill with air when you breathe

*when you breathe, you take air into your lungs through your mouth or nose | one serious side effect is a collapsed lung | a gush of air filled her lungs, and she bolted upright*

**react** /ri'ækt/ Verb

if someone or something *reacts* to something, they behave in a particular way because of it

Collocates: react to something

*she reacted angrily to the news | the sensor reacts to changes in the physical environment | how did he react when you told him? | the government reacted by closing the embassy | financial markets have reacted badly*

Noun *reaction*

Collocates: a reaction to something | an immediate/initial reaction | a gut/knee-jerk reaction

*there were mixed reactions to the news | Celia's immediate reaction was to deny the allegations | he wasn't thinking clearly, it was just a gut reaction (a reaction that did not involve any thought)*

**sample** /'sɑːmp(ə)l/ Noun

a *sample* is a small amount of a substance that is used for scientific analysis

Collocates: a sample of something | collect/obtain a sample  
*the GPS tracking system marks where each sample of air was taken | researchers are collecting samples of earth from the contaminated area | blood/urine samples*

Verb: *sample*

*they were carefully sampled for further analysis in a laboratory*

## EXERCISES

### PREPOSITIONS

**A Complete the sentences with the correct preposition.**

- Place the document ..... the scanner.
- Type ..... your username and password.
- Click ..... the 'Save' icon.
- Plug the computer ..... the socket.
- I scanned the photos ..... my computer.
- She tripped ..... a cable.
- A new window came up ..... the screen.

**B Choose the correct preposition.**

- I spilled orange juice *in / over* the keyboard.
- He bought his jeans *in / on* the black market.
- My sister is obsessed *with / on* computer games.
- There was a row *of / from* pretty cottages by the river.
- It's a useful gadget *to / for* opening bottles.
- His car runs *with / on* electricity.

### WORD FAMILIES

**C Complete the expressions with the correct form of the word in bold.**

- |                                       |                                  |
|---------------------------------------|----------------------------------|
| 1 <b>interact</b> with other students | enjoy the classroom<br>.....     |
| 2 <b>modify</b> the machine slightly  | make a few slight<br>.....       |
| 3 relax in <b>comfort</b>             | a very<br>..... new<br>chair     |
| 4 be <b>obsessed</b> with food        | have an<br>.....with<br>football |
| 5 a <b>user-friendly</b> website      | the .....<br>of the website      |
| 6 they <b>reacted</b> angrily         | an angry<br>.....                |

**D Which THREE words in the box are NOT both a noun and a verb?**

icon	scan	socket	cable
trip	experience	edit	sample

### WORD-BUILDING

**E Match the two halves of the compound nouns.**

- |                   |              |
|-------------------|--------------|
| 1 the information | a) machinery |
| 2 a brain         | b) icon      |
| 3 a rescue        | c) desk      |
| 4 good keyboard   | d) scanner   |
| 5 farm            | e) skills    |
| 6 the printer     | f) mission   |

### COLLOCATIONS

**F Complete the sentences with the correct form of the verbs in the box. Look up the verbs if you need help.**

back up free smash experience interact select

- Open the file and then ..... 'Edit'.
- If you delete those old photos, you can ..... up some space.
- Remember to ..... your files at the end of each day.
- He enjoys ..... with the other students in the class.
- It was the best exhibition I'd ever .....
- She tripped over a cable and ..... her phone.

**G Match the two halves of the collocations. Look up the nouns (a-f) if you need help.**

- |               |                  |
|---------------|------------------|
| 1 make a      | a) gadget        |
| 2 obtain a    | b) modifications |
| 3 a useful    | c) resources     |
| 4 make minor  | d) cable         |
| 5 financial   | e) sample        |
| 6 an electric | f) backup        |

**H Complete the missing adjectives.**

- Fix the aerial to an e\_ \_ \_ \_ \_ wall of the house.
- I clicked on the icon and the screen suddenly went b\_ \_ \_ k.
- The long journey home each day seemed e\_ \_ \_ \_ \_ s.
- Mrs Haynes made a r\_ \_ \_ \_ \_ e recovery.
- They struggled to pay their h\_ \_ \_ \_ \_ d expenses.
- There were s\_ \_ \_ r panels on the roof.
- I want to change channels, but I can't find the r\_ \_ \_ \_ e control.
- The website is quite user-f\_ \_ \_ \_ \_ y.