# 9 Digital world

## Glossary

**Page 101**

**9.1** **digital** (adj) /ˈdɪdʒɪtəl/
showing information as electronic images
● *Can you show me how to take a good photo with my new digital camera?* ❖ _____

## Reading  Pages 102–103

**9.2** **weather forecast** (n) /ˈweðə fɔːkɑːst/
a description of how sb says the weather will be the next few days ● *We should check the weather forecast before we go hiking.*
❖ _____

**9.3** **satellite** (n) /ˈsætəlaɪt/
a large device that travels in space around Earth and sends images and sounds ● *GPS satellites are in orbit thousands of miles above the Earth.* ❖ _____

**9.4** **spacecraft** (n) /ˈspeɪskrɑːft/
a vehicle that travels in space ● *Would you like to travel in a spacecraft to the moon?*
❖ _____

**9.5** **image** (n) /ˈɪmɪdʒ/
a picture ● *The satellite took some wonderful images of the Earth from space.* ❖ _____

**9.6** **data** (n) /ˈdeɪtə/
information ● *We put all the data in a document on the computer.* ❖ _____

**9.7** **broadcast** (v) /ˈbrɔːdkɑːst/
to send out a radio or TV programme ● *The news is broadcast every evening at 9 p.m.* ➣ broadcast, broadcaster (n) ❖ _____

**9.8** **keep track of** (phr) /kiːp træk əv/
to follow the actions of ● *Jim has changed jobs so many times that I can't keep track of what he's doing.* ❖ _____

**9.9** **NASA** (abbrev) /ˈnæsə/
National Aeronautics and Space Administration, an organisation that studies and sends people to space ● *NASA, the American space agency, has sent a spacecraft to Mars.* ❖ _____

**9.10** **develop** (v) /dɪˈveləp/
to become bigger, more advanced, etc.
● *Young animals have to grow and develop and learn many things.* ➣ development (n), developed (adj) ❖ _____

**9.11** **cube** (n) /kjuːb/
square object with six sides ● *The dice we used to play the game were red cubes.*
➣ cubic (adj) ❖ _____

**9.12** **3D printer** (n) /θriː diː ˈprɪntə(r)/
a machine that reproduces objects from digital information by using layers of material ● *The protective face masks were made by a 3D printer.* ❖ _____

**9.13** **bounce** (v) /baʊns/
to hit a surface and immediately move back away from it ● *It was raining so hard the water was bouncing off the road.* ➣ bounce (n)
❖ _____

**9.14** **herd** (n) /hɜːd/
a group of animals ● *A herd of cows came running towards us across the field.*
❖ _____

**9.15** **buffalo** (n) /ˈbʌfələʊ/
an animal like a very large cow or bull with thick curved horns ● *On our visit to India, we saw a herd of water buffalo beside a river.*
❖ _____ ✎ Plural: buffalo, buffaloes

**9.16** **stage** (n) /steɪdʒ/
a part of a process ● *The preparation for the mission to Mars is in its final stage.*
❖ _____

**9.17** **gather** (v) /ˈgæðə(r)/
to collect ● *Have you gathered all the information you need?* ❖ _____

**9.18** **GPS** (n) /dʒiː piː es/
global positioning system, a system that shows where sb/sth is located using signals from satellites ● *We didn't get lost on holiday because our GPS told us where we were.* ❖ _____

**9.19** **receiver** (n) /rɪˈsiːvə(r)/
a piece of equipment that picks up signals and changes them to sound or images ● *Most new cars now include a GPS receiver to make it easy to find the best route.* ➣ reception (n), receive (v) ❖ _____

**9.20** **method** (n) /ˈmeθəd/
a way of doing sth ● *An internet search is a fast method of finding news or checking facts.* ➣ methodical (adj) ❖ _____

**9.21** **triangulation** (n) /traɪˌæŋgjuˈleɪʃn/
a way of finding a position by measuring the distance between two points and the angle from them to a third point ● *Explorers used triangulation to draw maps of the country.*
❖ _____

**9.22** **precise** (adj) /prɪˈsaɪs/
exact ● *This clock is precise and never loses even a second.* ➢ precision (n), precisely (adj) ❖ _____ ✎ Opp: imprecise

**9.23** **work out** (phr v) /wɜːk aʊt/
to find the answer to sth ● *I didn't use a dictionary. I worked out the meaning of the word from the sentence.* ❖ _____

**9.24** **constantly** (adv) /ˈkɒnstəntli/
all the time ● *Technology is constantly developing and when you buy the latest device, a new one appears on the market.* ➢ constant (adj) ❖ _____

**9.25** **migration** (n) /maɪˈgreɪʃn/
the movement of animals or people from one part of the world to another to find suitable living conditions ● *The migration of people from villages to cities has led to cities becoming overcrowded.* ➢ migrate (v), migrant (n) ❖ _____

**9.26** **photographic** (adj) /fəʊtəˈgræfɪk/
connected with photography ● *The latest cameras and other photographic equipment can be expensive, but you might find some bargains online.* ➢ photograph, photography, photographer (n), photograph (v) ❖ _____

**9.27** **battery** (n) /ˈbætəri/
sth inside an engine, a radio, an MP3 player, etc. that supplies electricity to make it work ● *My watch has stopped. It needs a new battery.* ❖ _____

**9.28** **sea level** (n) /siː ˈlevl/
the height of the sea ● *The top of Mount Everest is 8,848 metres above sea level.* ❖ _____

**9.29** **man-made** (adj) /mæn meɪd/
not found in nature but made by man ● *Plastic is a man-made material.* ❖ _____

**9.30** **the Soviet Union** (n) /ðə ˈsəʊviət ˈjuːniən/
the country USSR ● *Moscow was the capital of the old Soviet Union.* ❖ _____

# Vocabulary **Page 104**

**9.31** **hardware** (n) /ˈhɑːdweə(r)/
computer machinery and equipment ● *My computer hardware is getting old, so I need to buy a new hard drive.* ❖ _____

**9.32** **invention** (n) /ɪnˈvenʃn/
sth created by sb for the first time ● *The invention of the plane meant people could travel easily to foreign countries.* ➢ invent (v), inventor (n), inventive (adj) ❖ _____

**9.33** **server** (n) /ˈsɜːvə(r)/
the main computer in a network ● *The company website is down because of a problem with the server.* ➢ serve (v), service (n) ❖ _____

**9.34** **software** (n) /ˈsɒftweə(r)/
computer programs ● *When she got a new computer, she had to transfer all the software from her laptop.* ❖ _____

**9.35** **webcam** (n) /ˈwebkæm/
a camera on a computer ● *My grandparents use their webcam so that we can see them when we talk on the laptop.* ❖ _____

**9.36** **screen** (n) /skriːn/
the flat part of a television, computer, smartphone, etc. where the picture or information appears ● *We bought a television with a 42-inch screen.* ❖ _____

**9.37** **program** (n) /ˈprəʊgræm/
instructions in code that control the way a computer operates ● *He writes computer programs for a living.* ➢ program (v), programmer (n) ❖ _____

**9.38** **the World Wide Web** (n) /ðə ˌwɜːld waɪd ˈweb/
the system of documents on the internet that you can search for information, pictures or sound on a particular subject ● *The majority of people around the world today have access to the World Wide Web.* ❖ _____ ✎ abbrev: www

**9.39** **install** (v) /ɪnˈstɔːl/
to put a new program onto a computer ● *You need to install an app to be able to read the news stories.* ➢ installation (n) ❖ _____

**9.40** **tablet** (n) /ˈtæblət/
a thin computer with a touch screen ● *Tablets are easier to carry around than laptops.* ❖ _____

**9.41** **crash** (v) /kræʃ/
fail (for computers) ● *His computer crashed and now he has lost all his work.* ➢ crash (n) ❖ _____

**9.42** **experiment** (v) /ɪksˈperɪmənt/
to do a scientific test to find out if an idea is true ● *Some researchers experiment on animals to test new medicines.* ➢ experiment (n), experimental (adj) ❖ _____

**9.43** **lab** (n) /læb/
a room where scientific experiments are done ● *In this lab, we do research on cancer.* ❖ _____ ✎ Note: *lab* = short form of *laboratory*

**9.44** **technophobe** (n) /ˈteknəfəʊb/
sb who dislikes or is afraid of using new technology ● *Dad is a complete technophobe, who won't even use email!* ❖ _____

# Grammar Page 105

**9.45**  **download** (v) /ˌdaʊnˈləʊd/
put a file from the internet onto your computer or other device ● *Sometimes Mike downloads books to read on his tablet.* ❖ _____

**9.46**  **hand in** (phr v) /hænd ɪn/
give sth to a teacher ● *'Please hand in your homework tomorrow,' said the teacher.*
❖ _____

**9.47**  **smoke** (n) /sməʊk/
white, grey or black gas that is produced by sth burning ● *There was so much smoke from the fire that we couldn't breathe.* ➢ smoke (v)
❖ _____

**9.48**  **factory** (n) /ˈfæktri/
a building where things are made ● *They make computer hardware in this factory.*
❖ _____

**9.49**  **tool** (n) /tuːl/
a device that you use to make or fix sth
● *Miranda took her tools out of the car to change the tyre.* ❖ _____

**9.50**  **manufacturer** (n) /mænjʊˈfæktʃərə(r)/
a company that produces sth ● *Fiat is an Italian car manufacturer.* ➢ manufacture (v, n)
❖ _____

## Computer nouns

| | | |
|---|---|---|
| 3D printer | image | tablet |
| app | lab | technophobe |
| data | screen | webcam |
| GPS | server | the World Wide |
| hardware | software | Web |

# Listening Page 106

**9.51**  **solar-powered** (adj) /ˈsəʊlə ˈpaʊəd/
working by using energy from the sun
● *There are some amazing solar-powered cars.* ➢ solar power (n) ❖ _____

**9.52**  **model** (n) /ˈmɒdl/
a small copy of sth ● *There is a model of the Parthenon in the Acropolis museum.*
❖ _____

**9.53**  **kit** (n) /kɪt/
a set of parts ready to make sth ● *My little brother wants a model aircraft kit for his birthday.* ❖ _____.

**9.54**  **entertainment** (n) /ˌentəˈteɪnmənt/
activities for people to enjoy themselves ● *TV is not such a popular form of entertainment as it was in the past.* ➢ entertain (v), entertaining (adj), entertainer (n) ❖ _____

# Speaking Page 107

**9.55**  **electronic** (adj) /ɪˌlekˈtrɒnɪk/
working by using small parts, e.g. batteries, that control an electric current ● *The pilot told the passengers to turn off their electronic devices, such as phones and laptops, for take-off.* ❖ _____

**9.56**  **depend on** (phr v) /dɪˈpend ɒn/
to need help or support from sb/sth ● *As a student, Jackie had a part-time job so she didn't have to depend on her parents to pay for her studies.* ❖ _____

**9.57**  **convenient** (adj) /kənˈviːniənt/
useful because it saves you time or does not cause you problems ● *Modern appliances are convenient and make life much easier.*
➢ convenience (n) ❖ _____
✎ Opp: inconvenient

**9.58**  **value** (n) /ˈvæljuː/
what sth is worth compared to its cost ● *The electronic devices on this website are cheap, but if they break easily, they aren't very good value for money.* ➢ value (v), valuable (adj)
❖ _____

**9.59**  **safety** (n) /ˈseɪfti/
being safe from danger ● *The rescue team is worried about the safety of some climbers after the storm.* ➢ safe (adj), save (v) ❖ _____

**9.60**  **emergency** (n) /ɪˈmɜːdʒənsi/
a dangerous or serious situation where you must react quickly ● *Teachers have to know how to cope in an emergency, such as an earthquake.* ❖ _____

**9.61**  **definitely** (adv) /ˈdefɪnətli/
without a doubt, certainly ● *We will definitely eat out on your birthday.* ➢ definite (adj)
❖ _____

**9.62**  **on the whole** (phr) /ɒn ðə həʊl/
in general ● *On the whole, I'm really happy with my new phone.* ❖ _____

# Vocabulary   Page 108

**9.63**  **click** (v) /klɪk/
to press the computer mouse or touchpad
to choose sth on the screen ● *Just click on
the screen to see the photos.* ➢ click (n)
❖ _____

**9.64**  **connect** (v) /kəˈnekt/
join together two or more things ● *If I can
connect to the internet, I'll send you an email.*
➢ connection (n), connected (adj)
❖ _____ ✎ Opp: disconnect

**9.65**  **delete** (v) /dɪˈliːt/
to remove sth, e.g. words, emails or files on
a computer ● *Paul deleted all the emails that
weren't important.* ❖ _____

**9.66**  **drag** (v) /dræg/
to move text or images, etc. across a computer
screen by using the mouse ● *Click on the photo
and drag it into the folder.* ❖ _____

**9.67**  **sign up** (phr v) /saɪn ʌp/
to put your name down to become a member
or take part in sth ● *I've just signed up for yoga
classes at the gym.* ❖ _____

**9.68**  **upload** (v) /ʌpˈləʊd/
to transfer files from one computer to another
through the internet ● *George uploaded some
holiday photos onto Instagram for his friends
to see.* ❖ _____

**9.69**  **app** (n) /æp/
a piece of software that you can use on a
device, such as a phone or tablet, to connect
directly to a particular site or play a game,
etc. ● *Tracy checked in for her flight using the
app on her smartphone.* ❖ _____
✎ Note: *app* = short form of *application*

**9.70**  **carry out** (phr v) /ˈkæri aʊt/
to do a task ● *The scientist carried out a
number of experiments in the lab.*
❖ _____

**9.71**  **trillion** (n) /ˈtrɪljən/
a million million ● *The night sky was so clear
that we could see trillions of stars.*
❖ _____

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### Computer verbs

| | |
|---|---|
| broadcast | drag |
| click | experiment |
| connect | install |
| crash | post |
| delete | upload |
| download | |

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# Grammar   Page 109

**9.72**  **drop** (v) /drɒp/
to let or cause sth to fall ● *She felt so annoyed
at herself for dropping her new phone and
breaking the screen.* ➢ drop (n) ❖ _____

**9.73**  **break into** (phr v) /breɪk ˈɪntuː/
to force entry into a place and steal things
● *Our house was broken into and my laptop
was stolen.* ❖ _____

**9.74**  **emotion** (n) /ɪˈməʊʃn/
a strong feeling such as love or anger ● *She
couldn't control her emotions and she started
crying.* ➢ emotional (adj), emotionally (adv)
❖ _____

**9.75**  **invent** (v) /ɪnˈvent/
make or design sth that has not existed before
● *Everyone knows that Alexander Graham Bell
invented the telephone.* ➢ inventor, invention
(n), inventive (adj) ❖ _____

**9.76**  **role** (n) /rəʊl/
the function sb/sth has ● *James takes his role
as a parent very seriously.* ❖ _____

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### Phrasal verbs

| | | |
|---|---|---|
| break into | depend on | sign up |
| carry out | hand in | work out |

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# Writing   Pages 110–111

**9.77**  **in the first place** (phr) /ɪn ðə ˈfɜːt ˌpleɪs/
firstly ● *Why do I use a smartphone? In the
first place, I need it to keep in touch with my
family.* ❖ _____

**9.78**  **secondly** (adv) /ˈsekəndli/
the second point (is) ● *Secondly, the
landscape was beautiful, so we took loads of
photos.* ➢ second (adj, n) ❖ _____

**9.79**  **in addition** (phr) /ɪn əˈdɪʃn/
also ● *The river is polluted and dangerous
for swimmers. In addition, fish are at risk too.*
❖ _____

**9.80**  **thirdly** (adv) /ˈθɜːdli/
the third point (is) ● *Thirdly, the camera can
connect to the app on your phone or tablet to
upload photos.* ➢ third (adj, n) ❖ _____

**9.81**  **lastly** (adv) /ˈlɑːstli/
the final point (is) ● *Lastly, we were
disappointed with the picture quality on the
screen.* ➢ last (adj, n) ❖ _____

**9.82**  **comment** (n) /ˈkɒment/
sth you say which gives an opinion on sth
● '*Rose made some interesting comments
about the situation.' 'What did she say?'*
➢ comment (v), commentary (n)
❖ _____

**9.83**   **society** (n) /səˈsaɪəti/
people in general, living as communities
● *Technology plays an important role in modern society.* ❖ _____

**9.84**   **real life** (n) /ˌriːəl ˈlaɪf/
what really happens, not fantasy ● *He looks like a tough guy in the posts on his Facebook page, but in real life he's pretty ordinary and quiet.* ➢ real-life (adj) ❖ _____

**9.85**   **private** (adj) /ˈpraɪvət/
sth personal that we don't share with lots of people or maybe with anybody ● *What Jack does in his private life isn't your business.* ➢ privacy (n) ❖ _____

**9.86**   **social network** (n) /ˌsəʊʃl ˈnetwɜːk/
a group of people who are connected with each other and socialise ● *Kelly has a wide social network of colleagues and friends on Facebook.* ❖ _____

**9.87**   **culture** (n) /ˈkʌltʃə(r)/
the beliefs, art and way of life of a civilisation ● *When I went to Italy, I learnt a lot about Italian food and culture.* ➢ cultural (adj)
❖ _____

**9.88**   **medicine** (n) /ˈmedsn/
a substance used for treating illnesses ● *For me, the best medicine for a headache is aspirin.* ❖ _____

**9.89**   **living** (n) /ˈlɪvɪŋ/
a style of life ● *Sleep patterns affect whether people have a healthy way of living.* ➢ live (v), living, alive (adj), life (n) ❖ _____

**9.90**   **punctuation** (n) /pʌŋktʃuˈeɪʃn/
the system of using marks to separate sentences, phrases and questions in writing ● *Using incorrect punctuation, such as missing out commas, can change the meaning of a sentence.* ➢ punctuate (v) ❖ _____

**9.91**   **inactive** (adj) /ɪnˈæktɪv/
not physically active ● *Pablo has become inactive since he left the school basketball team, but he wants to take up jogging soon.* ➢ inactivity (n) ❖ _____ ✎ Opp: active

# Live well, study well
## Page 112

**9.92**   **to sb's face** (phr) /tʊ ˈsʌmbədiz feɪs/
directly to sb, not to anyone else ● *Anita made some horrible unkind comments on my Facebook post that she wouldn't have the courage to say to my face.* ❖ _____

**9.93**   **post** (v) /pəʊst/
to write a comment or upload an image on the internet, especially on social media or a personal blog ● *I never post any personal details on Twitter. I just post the most important or interesting news.* ➢ post (n) ❖ _____

**9.94**   **take (sth/sb) seriously** (phr) /teɪk (ˈsʌmθɪŋ / ˈsʌmbədi) ˈsɪəriəsli/
to believe sb/sth is important or true ● *When Irene told us she was going to climb Mount Everest, we didn't take her seriously.*
❖ _____

**9.95**   **survey** (n) /ˈsɜːveɪ/
information you get from asking many people the same questions ● *In a survey we did at school, one hundred pupils were asked what they thought about the facilities.* ➢ survey (v)
❖ _____