**9** Digital world

 Glossary

# Page 101

* 1. **digital** (adj) /ˈdɪdʒɪtəl/

showing information as electronic images

* + - *Can you show me how to take a good photo with my new digital camera?* ❖ digitaler/e/es

Reading **Pages 102–103**

* 1. **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.*

* die Wettervorhersage
	1. **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.* ❖ der Satellit

* 1. **spacecraft** (n) /ˈspeɪskrɑːft/

a vehicle that travels in space ● *Would you like to travel in a spacecraft to the moon?*

* das Raumschiff
	1. **image** (n) /ˈɪmɪdʒ/

a picture ● *The satellite took some wonderful images of the Earth from space.* ❖ das Bild

* 1. **data** (n) /ˈdeɪtə/

information ● *We put all the data in a document on the computer.* ❖ die Daten (plural)

* 1. **broadcast** (v) /ˈbrɔːdkɑːst/

to send out a radio or TV programme ● *The news is broadcast every evening at 9 p.m.*

➣ broadcast, broadcaster (n) ❖ ausstrahlen, senden

* 1. **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.* ❖ den Überblick über etw. behalten

* 1. **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.* ❖ die NASA

* 1. **develop** (v) /dɪˈveləp/

to become bigger, more advanced, etc.

* + - *Young animals have to grow and develop and learn many things.* ➣ development (n), developed (adj) ❖ (sich) entwickeln
	1. **cube** (n) /kjuːb/

square object with six sides ● *The dice we used to play the game were red cubes.*

➣ cubic (adj) ❖ der Würfel

* 1. **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.* ❖ der 3D-Drucker

* 1. **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)

* hochschnellen, springen
	1. **herd** (n) /hɜːd/

a group of animals ● *A herd of cows came running towards us across the field.*

* die Herde
	1. **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.*

* der Büffel ✎ Plural: buffalo, buffaloes
	1. **stage** (n) /steɪʤ/

a part of a process ● *The preparation for the mission to Mars is in its final stage.* ❖ die Stufe

* 1. **gather** (v) /ˈɡæðə(r)/

to collect ● *Have you gathered all the information you need?* ❖ erfassen

* 1. **GPS** (n) /ʤiː 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.* ❖ das GPS

* 1. **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) ❖ der Empfänger

* 1. **method** (n) /ˈmeθəd/

a way of doing sth ● *An internet search is a fast method of finding news or checking facts.*

➣ methodical (adj) ❖ die Methode

* 1. **triangulation** (n) /traɪˌæŋɡjuˈleɪʃn/

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.*

* die Dreiecksvermessung
	1. **precise** (adj) /prɪˈsaɪs/

exact ● *This clock is precise and never loses even a second.* ➣ precision (n), precisely (adj)

* präziser/e/es ✎ Opp: imprecise
	1. **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.* ❖ herausfinden, klären

* 1. **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) ❖ ständig

* 1. **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) ❖ die Migration

* 1. **photographic** (adj) /fəʊtəˈɡræfɪk/ 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)

* fotografischer/e/es
	1. **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.* ❖ die Batterie, der Akku
	1. **sea level** (n) /siː ˈlevl/

the height of the sea ● *The top of Mount Everest is 8,848 metres above sea level.*

* der Meeresspiegel
	1. **man-made** (adj) /mæn meɪd/

not found in nature but made by man

* + - *Plastic is a man-made material.*
* künstlicher/e/es
	1. **the Soviet Union** (n) /ðə ˈsəʊviət ˈjuːniən/

the country USSR ● *Moscow was the capital of the old Soviet Union.* ❖ die Sowjetunion

Vocabulary **Page 104**

* 1. **hardware** (n) /ˈhɑːdweə(r)/ computer machinery and equipment
		+ *My computer hardware is getting old, so I need to buy a new hard drive.*
* die Hardware
	1. **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) ❖ die Erfindung

* 1. **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) ❖ der Server

* 1. **software** (n) /ˈsɒftweə(r)/

computer programs ● *When she got a new computer, she had to transfer all the software from her laptop.* ❖ die Software

* 1. **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*. ❖ die Webcam

* 1. **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.* ❖ der Bildschirm

* 1. **program** (n) /ˈprəʊɡræm/

instructions in code that control the way a computer operates ● *He writes computer programs for a living.* ➣ program (v), programmer (n) ❖ das Programm

* 1. **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*. ❖ das World Wide Web, das Web ✎ abbrev: www
	2. **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)
* installieren
	1. **tablet** (n) /ˈtæblət/

a thin computer with a touch screen ● *Tablets are easier to carry around than laptops.*

* das Tablet
	1. **crash** (v) /kræʃ/

fail (for computers) ● *His computer crashed and now he has lost all his work.* ➣ crash (n)

* abstürzen
	1. **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) ❖ experimentieren

* 1. **lab** (n) /læb/

a room where scientific experiments are done

* + - *In this lab, we do research on cancer.*
* das Labor ✎ Note: *lab* = short form of

*laboratory*

* 1. **technophobe** (n) /ˈteknəfəʊb/

sb who dislikes or is afraid of using new technology ● *Dad is a complete technophobe, who won’t even use email!* ❖ der/die Technikfeind/-in

Grammar **Page 105**

* 1. **download** (v) /ˌdaʊnˈləʊd/

put a file from the internet onto your computer or other device ● *Sometimes Mike downloads books to read on his tablet.* ❖ herunterladen

* 1. **hand in** (phr v) /hænd ɪn/

give sth to a teacher ● *‘Please hand in your homework tomorrow,’ said the teacher.*

* einreichen
	1. **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)

* der Rauch
	1. **factory** (n) /ˈfæktri/

a building where things are made ● *They make computer hardware in this factory.*

* die Fabrik, das Werk
	1. **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.* ❖ das Werkzeug
	1. **manufacturer** (n) /mænjʊˈfækʧərə(r)/

a company that produces sth ● *Fiat is an Italian car manufacturer.* ➣ manufacture (ν, n)

* der/die Hersteller/-in

**Computer nouns**

3D printer image

app lab

data screen

GPS server

hardware software

tablet technophobe webcam

the World Wide Web

Listening **Page 106**

* 1. **solar-powered** (adj) /ˈsəʊlə ˈpaʊəd/ working by using energy from the sun
		+ *There are some amazing solar-powered cars.* ➣ solar power (n)
* solarbetriebener/e/es
	1. **model** (n) /ˈmɒdl/

a small copy of sth ● *There is a model of the Parthenon in the Acropolis museum.*

* das Modell
	1. **kit** (n) /kɪt/

a set of parts ready to make sth ● *My little brother wants a model aircraft kit for his birthday.* ❖ das Set

* 1. **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) ❖ die Unterhaltung

Speaking **Page 107**

* 1. **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.* ❖ elektronischer/e/es

* 1. **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.* ❖ abhängig sein von

* 1. **convenient** (adj) /kənˈviːnɪənt/

useful because it saves you time or does not cause you problems ● *Modern appliances are convenient and make life much easier.*

➣ convenience (n) ❖ praktischer/e/es

✎ Opp: inconvenient

* 1. **value** (n) /væljuː/

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)

* der Wert
	1. **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)

* die Sicherheit
	1. **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.* ❖ der Notfall

* 1. **definitely** (adv) /ˈdefɪnətli/

without a doubt, certainly ● *We will definitely eat out on your birthday.* ➣ definite (adj)

* auf jeden Fall, definitiv
	1. **on the whole** (phr) /ɒn ðə həʊl/

in general ● *On the whole, I'm really happy with my new phone.* ❖ im Großen und Ganzen

Vocabulary **Page 108**

* 1. **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)

* klicken, anklicken
	1. **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)

* (sich) verbinden ✎ Opp: disconnect
	1. **delete** (v) /dɪˈliːt/

to remove sth, e.g. words, emails or files on a computer ● *Paul deleted all the emails that weren’t important.* ❖ löschen

* 1. **drag** (v) /dræɡ/

to move text or images, etc. across a computer screen by using the mouse ● *Click on the photo and drag it into the folder.* ❖ ziehen

* 1. **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.* ❖ sich anmelden

* 1. **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.* ❖ hochladen

* 1. **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.* ❖ die App

✎ Note: *app* = short form of *application*

* 1. **carry out** (phr v) /ˈkæri aʊt/

to do a task ● *The scientist carried out a number of experiments in the lab.*

* ausführen
	1. **trillion** (n) /ˈtrɪljən/

a million million ● *The night sky was so clear that we could see trillions of stars.*

* die Billion

**Computer verbs**

broadcast click connect crash delete download

drag experiment install

post upload

Grammar **Page 109**

* 1. **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) ❖ fallen lassen

* 1. **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.* ❖ einbrechen bei
	1. **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)

* die Emotion
	1. **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) ❖ erfinden
	1. **role** (n) /rəʊl/

the function sb/sth has ● *James takes his role as a parent very seriously.* ❖ die Rolle, die Aufgabe

**Phrasal verbs**

break into depend on

carry out hand in

sign up work out

Writing **Pages 110–111**

* 1. **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.* ❖ erstens
	2. **secondly** (adv) /ˈsekəndli/

the second point (is) ● *Secondly, the landscape was beautiful, so we took loads of photos.* ➣ second (adj, n) ❖ zweitens

* 1. **in addition** (phr) /ɪn əˈdɪʃn/

also ● *The river is polluted and dangerous for swimmers. In addition, fish are at risk too.*

* außerdem
	1. **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) ❖ drittens

* 1. **lastly** (adv) /ˈlɑːstli/

the final point (is) ● *Lastly, we were disappointed with the picture quality on the screen.* ➣ last (adj, n) ❖ zuletzt, schließlich

* 1. **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)

* der Kommentar, die Bemerkung
	1. **society** (n) /səˈsaɪəti/

people in general, living as communities

* + - *Technology plays an important role in modern society.* ❖ die Gesellschaft
	1. **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) ❖ das wirkliche Leben

* 1. **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) ❖ privater/e/es

* 1. **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.* ❖ das soziale Netzwerk

* 1. **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)
* die Kultur
	1. **medicine** (n) /ˈmedsn/

a substance used for treating illnesses

* + - *For me, the best medicine for a headache is aspirin.* ❖ die Medizin
	1. **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) ❖ die Lebensweise

* 1. **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)
* die Zeichensetzung
	1. **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) ❖ untätiger/e/es ✎ Opp: active

Live well, study well

# Page 112

* 1. **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.* ❖ jdm. etw. ins Gesicht

* 1. **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) ❖ posten

* 1. **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.*

* (etw./jdn.) ernst nehmen
	1. **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)

* die Umfrage