

2 Bright Ideas

Reading

pages 20-21

- 2.1 pixel** (n) /'pɪksl/
a unit that is the smallest individual part of a picture on a digital screen • *One small photograph can contain a million pixels.*
> pixelate (v)
- 2.2 heart rate monitor** (n) /hɑ:t reɪt 'mɒnɪtə(r)/
a piece of equipment used to check the pace of your heart • *From the movements on the heart rate monitor, it was clear that the unconscious patient was beginning to recover.*
- 2.3 hideously** (adv) /'hɪdiəsli/
in a disgusting or extremely unpleasant way
• *The restaurant was hideously decorated with plastic Santas and glittery red streamers.*
> hideous (adj)
- 2.4 cheap and nasty** (expr) /tʃi:p ənd 'nɑ:sti/
not costing much, but of poor quality • *On the website these boots seemed to be a great bargain, but they turned out to be just a cheap and nasty disappointment.*
- 2.5 minimalist** (adj) /'mɪnɪməlɪst/
in a style that uses simple ideas or not using any more than what is absolutely necessary
• *The play was staged on a minimalist set with a simple wooden frame and black background, which carried a powerful sense of tragedy.*
> minimalism (n), minimal (adj), minimally (adv)
- 2.6 slew** (n) /slu:z/
a great number or amount • *The government was subject to a slew of criticism over the proposed changes to the education system.*
- 2.7 sleek** (adj) /sli:k/
smooth, shiny and seemingly elegant
• *Gwyneth wore a sleek black dress which made her look even more elegant than usual.*
> sleek back/down (v), sleekness (n), sleekly (adv)
- 2.8 radical** (adj) /'rædɪkl/
completely different and new • *Jean hardly recognised her old school friend due to the radical change in her appearance.*
> radical (n)
- 2.9 render** (v) /'rendə(r)/
cause sth to be in a certain state • *The latest update on this program has rendered it totally useless. I must find a way to revert to the earlier version.*
- 2.10 generic** (adj) /dʒə'nerɪk/
common to a group or a range of things rather than specific • *The word 'device' is a generic term for any piece of equipment designed for a specific job.* > generically (adv)
- 2.11 flattery** (n) /'flætəri/
the act of giving excessive compliments or praise, often in order to gain sth from sb
• *Flattery will get you everywhere with Professor Huggins; he just loves being praised for his work!* > flatter (v), flattering (adj)
- 2.12 seminal** (adj) /'semɪnl/
very important and having a major influence on developments • *Lesley played a seminal role in forming the company.*
- 2.13 downfall** (n) /'daʊnfɔ:l/
the cause of the end of sth being in a powerful position • *The years of plague were a major factor in the downfall of ancient Athens.*
- 2.14 hanker** (v) /'hæŋkə(r)/
strongly desire sth • *No matter how many gadgets Eric has, he's constantly hankering for more.* > hankering (n)
- 2.15 mind you** (expr) /maɪnd ju:z/
used informally to add a detail what you already said • *Andrea's just locked herself out of her email account. Mind you, I'm not surprised – she can never remember passwords.*
- 2.16 diehard** (adj) /'daɪhɑ:d/
with a fixed belief or goal; stubborn • *Even diehard gamers will find the new version of WipeOut really challenging.* > diehard (n)
- 2.17 iconic** (adj) /aɪ'kɒnɪk/
symbolising a particular ideal or concept; famous • *Mark Zuckerberg has reached iconic status with the success of Facebook.* > icon (n)
- 2.18 not be fussed (about sth)** (expr) /nɒt bi: fʌst ə'baʊt 'sʌmθɪŋ/
not be bothered about sth; not much interested in sth • *I'm not fussed about which brand name the phone is, so long as it functions efficiently.* > fuss (v), fuss (n), fussy (adj)
- 2.19 brim** (v) /brɪm/
be full of sth • *Brimming with enthusiasm, Antonia waited for her new tablet to arrive in the post.* > brim (n)
- 2.20 sport** (v) /spɔ:t/
wear sth proudly; show off a possession you're proud of • *People who go around sporting their new smartphones in public places are prime targets for thieves.*
- 2.21 zeitgeist** (n) /'zaɪtgaɪst/
the common spirit or prevailing attitude typical of a particular period in history • *The book perfectly captured the zeitgeist of early 20th century Ireland.*

- 2.22 genie pants** (n) /'dʒiːni pænts/
type of loose-fitting wide trousers • *The head teacher does not approve of students wearing baggy genie pants to school.*
- 2.23 beanie** (n) /'biːni/
a type of small brimless hat • *Don't forget to wear your scarf and beanie; it's freezing out there!*
- 2.24 testament** (n) /'testəmənt/
sth that proves sth else is true or exists
• *A statue of the dog was erected in Edinburgh as a testament to his loyalty to his master.*
- 2.25 measure up** (phr v) /'meɪʒə(r) ʌp/
be as good as expected • *The new printer didn't quite measure up to what we expected, given the rave reviews.* > measurement (n)
- 2.26 demographic** (n) /,demə'græfɪk/
a group of customers within a particular age group, gender, interest group • *The website aims to appeal to the fifty-something demographic.* > demographic (adj)
- 2.27 spec** (n) /spek/
a specification; a detail of the design or materials used in sth • *Just tell us what you want and we can build a new PC according to your specs.* > spec (v)
- 2.28 overexpose** (v) /,əʊvə'riːksəʊz/
affect the quality of an image by using a camera setting that lets too much light in
• *It took some practice to master the phone's camera settings so as not to overexpose the photos.* > overexposure (n)
- 2.29 asking price** (n) /'ɑːskɪŋ praɪs/
the starting price decided by the seller • *In my opinion, the house isn't worth the asking price; perhaps they would accept a lower offer.*
- 2.30 overwhelming** (adj) /,ʌndə'welmɪŋ/
not likely to impress or excite • *Despite the overwhelming cost of the tickets, I'm afraid the band's actual performance was disappointingly overwhelming.* > overwhelm (v)
📖 Opp: overwhelming
- 2.31 deviate** (v) /'diːviət/
change or do sth differently from normal
• *Whilst J. K. Rowling deviated from her usual style to write adult fiction, Jo Nesbo has deviated in the opposite direction, moving from crime fiction to children's stories.* > deviation (n), deviant (adj)
- 2.32 incorporate** (v) /ɪn'kɔːpəreɪt/
bring sth in to make it a part of sth else • *An unbreakable screen has been incorporated in the tablet's design.* > incorporation (n)
- 2.33 element** (n) /'elɪmənt/
a necessary part or a quality of sth • *Front-facing cameras have become an essential element of phones for selfie addicts.*
> elementary (adj)
- 2.34 precede** (v) /prɪ'siːd/
occur or exist before sth else • *Months of trial and error on the part of the research team preceded the launch of the smartwatch.*
> precedent (n)
- 2.35 scoff** (v) /skɒf/
talk in a mocking way about sth that you consider stupid • *In the past, the idea of a horseless carriage was scoffed at in the way people recently scoffed at driverless vehicles.*
- 2.36 sold on sth** (expr) /səʊld ɒn 'sʌmθɪŋ/
enthusiastic about; convinced that sth is useful/desirable • *Pavlos is sold on the idea of getting a 3D printer. Now all he needs is the cash to buy one.*
- 2.37 hefty** (adj) /'heftɪ/
larger than normal • *It's not surprising you got such a hefty fine since you had parked all day in front of the police station.*
- 2.38 fork out** (phr v) /fɔːk aʊt/
pay a lot for sth • *Few parents are wealthy enough to fork out for all the latest gadgets their children demand.*
- 2.39 jam** (v) /dʒæm/
become unable to operate or move • *We returned the printer within a day of buying it because the paper was constantly jamming.*
- 2.40 tinge** (n) /tɪndʒ/
a small amount of a particular colour
• *Something was wrong with the colour setting on the camera, so all the prints came out with a greenish tinge.* > tinge (v)
- 2.41 the last straw** (expr) /ðə lɑːst strɔː/
the final setback after a series of them, that makes sth impossible to deal with or accept
• *We've been having problems with our new neighbours, but the last straw came when they tried to install a satellite dish and it fell on top of our car.*
- 2.42 durable** (adj) /'dʒʊərəbəl/
made to be strong and long-lasting • *The smartphone cover was made of durable plastic that protected it from accidental damage.*
> durability (n)
- 2.43 withstand** (v) /wɪð'stænd/
be strong enough to remain unharmed through an extreme condition • *Liz was so relieved that her glasses managed to withstand being driven over after she had dropped them on the road.*
- 2.44 outweigh** (v) /,aʊt'weɪ/
be more important than sth else • *The convenience of having a dual sim phone outweighs the costs.*

- 2.45 furnace** (n) /'fɜːnɪs/
a piece of equipment enclosed by walls on all sides and closed on top that is heated to a high enough temperature to melt hard materials, such as metal or glass • *Until now, furnaces for melting iron ore have been heated by fossil fuels.*
- 2.46 aviation** (n) /,eɪvi'eɪʃn/
the practical business of designing and building aircraft • *The modern age of aviation began with the design of hot air balloons in the 18th century.* > aviator (n)

Compound nouns

asking price	heart rate monitor
carbon dioxide	micro-organism
computer literacy	quantum theory
cybernetic implant	test tube
genie pants	

Vocabulary pages 22-23-24

- 2.47 deduce** (v) /dɪ'djuːs/
reach a conclusion about sth on the basis of existing evidence • *Judging from the tyre tracks at the scene of the accident, the police deduced that the driver had been exceeding the speed limit.* > deduction (n), deducible (adj)
- 2.48 deduct** (v) /dɪ'dʌkt/
take sth away from a total amount • *A small transaction fee will be deducted from the payment into your bank account.* > deduction (n), deductible (adj)
- 2.49 eminent** (adj) /'emɪnənt/
respected and important, often within a certain profession • *An eminent underwater photographer produced the unique images for the magazine.* > eminence (n), eminently (adv)
- 2.50 imminent** (adj) /'ɪmɪnənt/
seemingly about to happen • *Seeing the rapidly gathering clouds, we realised a storm was imminent.* > imminence (n), imminently (adv)
- 2.51 emit** (v) /i'mɪt/
give off; send out • *The whale emitted a high-pitched sound before disappearing under the surface.* > emission (n)
- 2.52 melatonin** (n) /,melə'təʊnɪn/
a chemical substance that affects skin colour in the body • *Melatonin is an essential hormone which affects our sleep patterns.*
- 2.53 causality** (n) /kɔː'zæləti/
the scientific principle that everything has a cause • *Causality is simply the basic relationship between the cause of something and its effect.* > causal (adj)
- 2.54 infrared** (adj) /,ɪnfɹə'red/
using invisible electromagnetic waves longer than those of visible light • *Infrared radiation is used in scientific and medical applications.*
- 2.55 censor** (n) /'sensə(r)/
sb who checks the content of books, films, and other media to remove parts considered unsuitable for a particular audience • *As the film contained some violent scenes, the censor had rated it unsuitable for young children.* > censor (v), censorship (n)
- 2.56 sensor** (n) /'sensə(r)/
a piece of equipment that reacts to sound, light or movement, etc. to cause a device to operate or show sth • *The light above our front door is triggered by a sensor that detects movement.* > sensory (adj)
- 2.57 erode** (v) /ɪ'rəʊd/
wear away the surface of sth • *The sides of the riverbank had been eroded dramatically by the heavy rains.* > erosion (n)
- 2.58 eradicate** (v) /ɪ'rædɪkeɪt/
get rid of • *Insect-borne diseases are not easy to eradicate, especially in a humid climate.* > eradication (n)
- 2.59 polio** (n) /'pəʊliəʊ/
the disease poliomyelitis, which affects the central nervous system • *Polio has become rare in the UK since the introduction of child inoculation programmes.*
- 2.60 fission** (n) /'fɪʃn/
the act of splitting the central part of an atom • *The discovery of nuclear fission opened radical new possibilities in the field of electric power generation as well as the creation of atomic weapons.*
- 2.61 fusion** (n) /'fjuːʒn/
the act of combining two or more things together to form one • *The artistic fusion of sound and light gave the restaurant a relaxing atmosphere.*
- 2.62 entail** (v) /ɪn'teɪl/
involve • *If you tell us what exactly the project entails, we can give an accurate estimate for the job.*
- 2.63 uranium** (n) /ju'reɪniəm/
a heavy, silver-coloured metal • *Uranium is used in the production of nuclear energy.*

- 2.64 ingenuous** (adj) /ɪn'dʒenjuəs/
honest and blindly trusting • *I'd advise you not to be so ingenuous but to consider his proposal very carefully before you accept.* > ingenuously (adv)
- 2.65 ingenious** (adj) /ɪn'dʒiːniəs/
very clever • *Virtual clouds are an ingenious way to save or share data.* > ingenuity (n), ingeniously (adv)
- 2.66 decompose** (v) /,di:kəm'pəʊz/
slowly break down or become destroyed naturally • *If you don't eat those grapes soon, they'll start to decompose.* > decomposition (n)
- 2.67 disintegrate** (v) /dɪs'ɪntɪɡreɪt/
break up into very small pieces • *The dress was so old that its fabric had begun to disintegrate.* > disintegration (n)
- 2.68 dissolve** (v) /dɪ'zɒlv/
make sth solid become part of a liquid
• *The honey dissolved quickly in the hot tea.*
- 2.69 hurtle** (v) /'hɜːtl/
move very quickly • *The spaceship began to break up as it hurtled through the Earth's atmosphere.*
- 2.70 micro-organism** (n) /,maɪkrəʊ'ɔːɡənɪz(ə)m/
a tiny living thing • *Steve looked into the microscope to examine the micro-organisms in the piece of wood.*
- 2.71 radioactivity** (n) /,reɪdɪəʊæk'tɪvəti/
the dangerous radiation sent out as a result of nuclear fission • *Dangerous levels of radioactivity were recorded across the country when the nuclear reactor exploded.* > radioactive (adj)
- 2.72 circumference** (n) /sə'kʌmfərəns/
the measurement straight around a circle or a curved object • *The circumference of the Moon is almost 11,000 km.*
- 2.73 obsolete** (adj) /'ɒbsəliːt/
no longer produced, often due to being replaced by sth new • *I doubt if it's possible to repair your ten-year-old printer as it's probably obsolete by now and you'll never find new parts.* > obsolescence (n)
- 2.74 outdated** (adj) /,aʊt'deɪtɪd/
old-fashioned, therefore, not useful
• *Unfortunately, our school's computers are so outdated that they keep breaking down.*
- 2.75 utilitarian** (adj) /juːtɪlɪ'teəriən/
made for a practical purpose rather than for appearance • *Kate hated wearing her dull grey school uniform, denouncing it as an utterly utilitarian style.* > utilitarianism (n)
- 2.76 aesthetically** (adv) /i:s'thetɪkli/
in a way related to the look of sth • *The garden offered an aesthetically pleasing riot of colour in spring.* > aesthetic (adj), aestheticism (n)
- 2.77 unorthodox** (adj) /ʌn'ɔːθədɒks/
unconventional; different from what is normally done • *Her unorthodox teaching methods were questioned at first, but they have shown positive results.* > unorthodoxy (adv)
🗨 Opp: orthodox
- 2.78 painstaking** (adj) /'peɪnzteɪkɪŋ/
with great care and effort • *With painstaking attention to detail, the technician removed and replaced the faulty hardware.* > painstakingly (adv)
- 2.79 tangible** (adj) /'tændʒəbl/
able to be seen and touched • *Detectives are pretty certain that he is the thief, but he can't be charged without tangible evidence.* > tangibly (adv)
🗨 Opp: intangible
- 2.80 scrutiny** (n) /'skruːtəni/
close examination • *The politician's personal emails have become subject to public scrutiny.* > scrutinise (v)
- 2.81 breach** (n) /briːtʃ/
a break in a system or agreement which causes it to fail • *Pete was fired from the company as a result of his breach of confidentiality.* > breach (v)
- 2.82 computer literacy** (n) /kəm'pjʊːtə(r)'lɪtərəsi/
the ability to use and understand computers well • *Vincent's level of computer literacy isn't proficient enough for him to design his own website.* > literate (adj)
- 2.83 spreadsheet** (n) /'spredʃiːt/
a computer program in which data is recorded in rows and columns for calculations or plans, etc. • *All our financial accounts are recorded on monthly spreadsheets, which are backed up on the cloud.*
- 2.84 mimic** (v) /'mɪmɪk/
copy the way sb/sth acts or speaks • *The anti-virus scan detected a potential threat which was simply a harmless program that mimicked the pattern of phishing bug.* > mimic (n), mimicry (n)
- 2.85 at your fingertips** (expr) /æt jɔːr 'fɪŋɡətɪps/
get and use sth very easily • *Ben made sure he had all the data at his fingertips before submitting his proposal.*
- 2.86 up and running** (expr) /ʌp ənd 'rʌnɪŋ/
functioning correctly • *A few delays held up the start of the project, but it's now up and running on schedule.*
- 2.87 think outside the box** (expr) /θɪŋk ,aʊt'saɪd ðə bɒks/
have imaginative and original ideas • *If humans were incapable of thinking outside the box, they wouldn't have survived past the Stone Age.*

- 2.88** **ghastly** (adj) /'gɑːstli/
terrible • *Are you feeling okay? You look absolutely ghastly.*
- 2.89** **quantum theory** (n) /'kwɒntəm 'θɪəri/
the theory of physics around the idea that energy exists in indivisible units • *I don't know anyone at all who understands quantum theory!*
- 2.90** **ahead of the curve** (phr) /ə'hed əv ðə kɜːv/
more advanced than a current trend • *Instead of copying other companies' products, it's better to develop original ideas to keep ahead of the curve.* > curve (v)
- 2.91** **advent** (n) /'ædvent/
the arrival of a new invention • *Before the advent of email, we had to wait days or weeks to receive letters.*
- 2.92** **negligence** (n) /'neglɪdʒəns/
not giving enough care and attention • *The car wasn't so much old as falling apart due to the owner's negligence.* > negligent (adj), negligently (adv)
- 2.93** **centenarian** (n) /,sentɪ'neəriən/
sb who is 100 years old or more • *It's amazing how many centenarians are still alive and well on the island.*
- 2.94** **precedent** (n) /'presɪdənt/
an action or decision in the past which was the same or similar to one that happened later • *Such devastating storms are without precedent in this part of the country; we've never seen anything like it!* > precede (v), precedence (n)
- 2.95** **persevere** (v) /,pɜːsɪ'vɪə(r)/
keep on trying despite adverse conditions • *Despite the high fees, Martin decided to persevere with the course until he completed his masters degree.* > perseverance (n), persevering (adj)
- 2.96** **carbon dioxide** (n) /,kɑːbən daɪ'ɒksaɪd/
the gas emitted when people or animals breathe out, by plants or by burning • *Plants and trees take in carbon dioxide in the daylight and emit it at night.*
- 2.97** **back and forth** (expr) /bæk ənd fɔːθ/
from own side to another and back again • *Jerry walked back and forth, impatiently waiting for the train.*
- 2.98** **back to front** (expr) /bæk tə frʌnt/
with the wrong side facing • *I got dressed in such a rush after swimming that I put on my sweater back to front and didn't notice till I was on the bus.*
- 2.99** **little by little** (expr) /'lɪtl baɪ 'lɪtl/
in slow and steady steps • *Little by little, the sea level is rising along our coast.*
- 2.100** **more or less** (expr) /mɔː(r) ɔː les/
approximately; nearly • *Rabies is more or less non-existent in our country, thanks to immunisation.*
- 2.101** **safe and sound** (expr) /seɪf ənd saʊnd/
out of danger; not harmed • *It was a rough flight through the storm clouds, but we landed safe and sound at the airport.*
- 2.102** **time after time** (expr) /taɪm 'ɑːftə(r) taɪm/
repeatedly; regularly • *Time after time, our head teacher has warned us not to bring mobile phones into the classroom.*
- 2.103** **touch and go** (expr) /tʌtʃ ənd gəʊ/
a difficult situation that may have an unpleasant outcome • *I was confident about taking the exam, but it was touch and go on the day when I realised how hard it actually was.*
- 2.104** **wear and tear** (expr) /weə(r) ənd teə(r)/
damage to things from normal everyday use • *Most modern phones are not designed to last through years of wear and tear.*
- 2.105** **hitch** (n) /hɪtʃ/
a minor problem or delay • *Frank managed to install the new program without a hitch by following the step-by-step guide.*
- 2.106** **grain** (n) /greɪn/
a small seed of a plant such as rice; a small hard piece or amount of sth • *Nura took a few grains of rice and planted them to grow food for her family.* > grainy (adj)
- 2.107** **fungi** (n) /'fʌŋɡiː/
plural of fungus; organisms like a plant without leaves that grows on other plants or trees and in damp areas • *The north side of the tree was covered in fungi.* > fungal (adj)
- 2.108** **progenitor** (n) /prəʊ'dʒenɪtə(r)/
an ancestor • *The ancient calculating device found in the Antikythera shipwreck is regarded as a progenitor of the computer.* > progeny (n)
- 2.109** **genome** (n) /'dʒiːnəʊm/
the genetic material of a living thing • *A human genome fits into a cell nucleus that's just the size of a pinpoint.* > genomics (n)
- 2.110** **mutation** (n) /mjuː'teɪʃn/
a change in the structure of sth; a genetic variation • *The city's population was affected by a deadly mutation of the flu virus.* > mutate (v), mutant (adj)
- 2.111** **spring** (v) /sprɪŋ/
move suddenly and quickly • *George sprang to his feet as soon as the phone rang.* > spring (n)

- 2.112** **proceed** (v) /prə'si:d/
continue to do sth; go on (to do sth after doing sth else) • *After reading the instructions, Mavis proceeded to connect the new router.*
➤ proceedings (n)
- 2.113** **originate** (v) /ə'ri:dʒɪneɪt/
come from a particular place/source • *The game of chess is thought to have originated in Asia or the Middle East.* ➤ originator (n)
- 2.114** **crucial** (adj) /'kru:ʃl/
of critical importance • *Regular back-ups are crucial to avoid losing important data.*
➤ crucially (adv)
- 2.115** **shed light on** (expr) /ʃed laɪt ɒn/
give a clue to explain the cause of sth • *If you could shed some light on exactly what the job involves, we could give you an estimate for the costs.*
- 2.116** **sift** (v) /sɪft/
examine sth in detail • *Jason had to sift through years of paperwork to find his birth certificate.* ➤ sifter (n)

Research & Science verbs

anticipate	hanker
brim	hurtle
decompose	incorporate
deduce	jam
deteriorate	mimic
deviate	originate
disintegrate	overexpose
dissolve	persevere
emit	precede
entail	proceed
envisage	render
eradicate	scoff
erode	sift
exceed	unveil
flag	withstand

Grammar

pages 25-26-27

- 2.117** **flag** (v) /flæg/
put a mark on sth that needs future attention
• *Lulu skimmed through the mass of emails in her in box and flagged up the ones which were urgent.* ➤ flag (n)
- 2.118** **exponentially** (adv) /,ɛkspə'nɛnʃəli/
in a way that increases progressively faster • *Air pollution over the city increases exponentially with the burning of fossil fuels upon the onset of winter.* ➤ exponent (n), exponential (adj)

- 2.119** **deteriorate** (v) /dɪ'tɪəriəreɪt/
become worse • *John decided to emigrate after his hopes of finding work deteriorated rapidly as local businesses closed.*
➤ deterioration (v), deteriorated (adj)
- 2.120** **test tube** (n) /test tju:b/
a glass tube used in scientific experiments and medical tests • *An array of test tubes filled with strange liquids were perched on the rack next to his microscope.*
- 2.121** **frontier** (n) /'frʌntɪə(r)/
a limit • *Alexander Fleming broke the frontiers of medical science when he discovered penicillin in 1928.*
- 2.122** **loom** (v) /lu:m/
appear suddenly, often in a manner that is threatening • *A huge dark shape loomed in the doorway.*
- 2.123** **brew** (v) /bru:/
slowly begin to form; seem likely to happen
• *Trouble had been brewing on the borders long before war finally broke out.* ➤ brew (n), brewery (n)
- 2.124** **literary** (adj) /'lɪtərəri/
to do with literature • *Gwen wrote her thesis on the literary works of 19th century female authors.* ➤ literature (n)
- 2.125** **envisage** (v) /ɪn'vɪzɪdʒ/
imagine • *I cannot envisage having a robot to clean the house.*
- 2.126** **dread** (v) /dred/
have a fear that sth terrible will happen
• *I dread to think what would happen if there was an accident on the metro line.* ➤ dread (n), dreadful (adj), dreadfully (adv)
- 2.127** **resounding** (adj) /rɪ'zaʊndɪŋ/
loud or great • *Anna's first novel was a resounding failure, but her second had more sales.* ➤ resoundingly (adv)
- 2.128** **in the pipeline** (expr) /ɪn ðə 'paɪp,lain/
scheduled or planned for the future
- 2.129** **unveil** (v) /,ʌn'veɪl/
reveal sth that has been covered • *The prince's official portrait was unveiled at a special ceremony.*
- 2.130** **on the cards** (expr) /ɒn ðə kɑ:dz/
likely to happen; predictable • *Your promotion was always on the cards as you've been working so hard all these years.*
- 2.131** **keep sb posted** (expr) /ki:p 'sʌmbədi 'pəʊstɪd/
give sb regular information on a situation
• *Keep me posted on how things go after your operation.*

- 2.132 upcoming** (adj) /'ʌpkʌmɪŋ/
planned to happen soon • *Walter was feeling a bit nervous about his upcoming driving test.*
- 2.133 anticipate** (n) /æn'tɪsɪpeɪt/
expect an outcome and prepare for it; look forward to sth that's about to happen • *Try to anticipate what type of questions you'll be asked in the interview.* > anticipation (n)
- 2.134 warehouse** (n) /'weəhaʊs/
a store where goods are kept before being sold or sent to shop • *Our lost cat was found sleeping in a furniture warehouse near our home.*
- 2.135 likelihood** (n) /'laɪklihʊd/
possibility • *In all likelihood, driverless buses will soon be a common sight in our cities.* > likely (adj)
- 2.136 nanofibre** (n) /'nænəʊfaɪbə(r)/
a light flexible fabric made using nano-technology • *These nanofibre climbing boots are incredible light and waterproof.*
- 2.137 cybernetic implant** (n) /,saɪbə'netɪk ɪm'plɑːnt/
an implant made to enhance human abilities using cybernetics (the study of how machines communicate information compared with how the human brain communicates information) • *Cybernetic implants could be used to help patients with physical disabilities.*
- 2.138 exceed** (v) /ɪk'siːd/
go beyond what is expected • *His generous offer exceeded our expectations.* > excess (n), excessive (adj), excessively (adv)
- 2.139 doom** (n) /duːm/
an inevitable unpleasant event • *A sense of doom hung over the dull graffiti-covered boarded-up shops and empty marketplace.* > doom (v)
- 2.140 forthcoming** (adj) /,fɔːθ'kʌmɪŋ/
willing to give help or information; upcoming • *Tom wasn't very forthcoming about his research. It all seems highly confidential.*
- 2.141 in the offing** (expr) /ɪn ðə 'ɒfɪŋ/
likely to happen in the near future • *The company has a revolutionary new design in the offing which they hope to present at the next car exhibition.*
- 2.142 impending** (adj) /ɪm'pendɪŋ/
about to happen (usually for sth negative) • *As the tremors increased, the villagers evacuated to escape the impending volcanic eruption.*

Useful expressions

Adverbial & Adjectival

ahead of the curve
back and forth
back to front
in the offing
in the pipeline
little by little
more or less
on the cards
safe and sound
sold on sth
the last straw
time after time
touch and go
up and running
wear and tear

Expressions with Verbs

keep sb posted
put sth into perspective
shed light on
think outside the box
not be fussed about

Phrasal Verbs

measure up
fork out

Speaking

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- 2.143 automated** (adj) /'ɔːtəmeɪtɪd/
made to operate by a machine to reduce human labour • *The process of car manufacturing has become almost entirely automated, cutting the need for factory workers.* > automate (v), automation (n), automatic (adj), automatically (adv)
- 2.144 striking** (adj) /'straɪkɪŋ/
noticeable and interesting; attractive in an unusual way • *There was a striking similarity between the girls, although they were not related.* > strike (v), strikingly (adv)
- Writing pages 30-31**
- 2.145 reluctantly** (adv) /rɪ'lʌktəntli/
unwillingly • *Reluctantly, we bid our friendly hosts goodbye and headed for the airport to catch our homebound flight.* > reluctant (adj), reluctance (n)
- 2.146 techie** (n) /'teki/
a computer expert or enthusiast • *My internet connection simply froze, and I had to call the techie on the 24-hour helpline to get back online again.* > technical (adj), technically (adv)
- 2.147 drone** (n) /drəʊn/
a small remote-controlled aircraft used for aerial photography or for military purposes • *Eric used his drone to take some spectacular aerial photos of the lake.*

- 2.148 thought-provoking** (adj) /θɔ:t prə'vʊkɪŋ/
inspiring serious thoughts about sth • *While some 20th century works of science fiction were pure fantasy in their time, it's quite thought-provoking how close they've come to reality.*
- 2.149 put sth into perspective** (expr) /pʊt 'sɪlmθɪŋ 'ɪntə pə'spektɪv/
compare things to make a reasoned judgement about sth • *When you see people living on the streets, it puts our idea of home comforts into perspective.*

Technology

Nouns

advent	mutation
aviation	nanofibre
biofluorescence	neon
breach	pixel
causality	precedent
circumference	progenitor
drone	radioactivity
element	scrutiny
fission	sensor
frontier	spec
furnace	spreadsheet
fusion	techie
genome	tinge
hitch	uranium
likelihood	

- 2.152 cartilaginous** (adj) /,kɑ:tɪ'lædʒɪnəs/
with a skeleton made of cartilage (strong white tissue) • *Sharks are an example of huge cartilaginous animals* > cartilage (n)
- 2.153 serenity** (n) /sə'renəti/
peaceful calmness • *The soft lighting created an atmosphere of serenity.* > serene (adj), serenely (adv)
- 2.154 eel** (n) /i:l/
a snakelike fish • *The sight of the long wriggly eels was enough to put me off swimming in the lake.*
- 2.155 stingray** (n) /'stɪŋreɪ/
a large flat fish with a long tail that has a dangerous sting • *As he was scuba diving, Marios almost stood on a stingray which was lying on the sea bed.*
- 2.156 physiologically** (adv) /,fɪziə'lɒdʒɪkli/
in a way connected with how a living thing functions • *Human beings' organs are physiologically similar to many other mammals.* > physiology (n), physiologist (n), physiological (adj)
- 2.157 surreal** (adj) /sə'ri:əl/
more dreamlike rather than realistic • *Swimming close to the dolphins was a surreal experience.* > surrealism (n), surrealist (n)

Adjectives

automated	obsolete
cartilaginous	outdated
crucial	painstaking
eminent	radical
forthcoming	seminal
generic	sleek
iconic	surreal
imminent	tangible
impending	thought-provoking
infrared	unorthodox
ingenuous	upcoming
ingenious	utilitarian
minimalist	

Video 2: Neon Seas

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- 2.150 neon** (n) /'ni:ɒn/
a gas that gives a bright light when electricity goes through it • *A bright green neon sign was flashing continuously outside the hotel window, making it impossible for me to sleep.*
- 2.151 biofluorescence** (n) /,baɪəʊ,flɔ:'resns/
the naturally ability to absorb light and transform it to a different colour • *The biofluorescence of fish and other creatures makes the sea bed a colourful place.*
> biofluorescent (adj)