

Great Clarendon Street, Oxford, 0x2 6DP, United Kingdom

Oxford University Press is a department of the University of Oxford. It furthers the University's objective of excellence in research, scholarship, and education by publishing worldwide. Oxford is a registered trade mark of Oxford University Press in the UK and in certain other countries

© Oxford University Press 2019

The moral rights of the author have been asserted e-Book Edition

ISBN: 978 0 19 452949 5 e-book ISBN: 978 0 19 453961 6 e-book sample ISBN: 978 0 19 452945 7 e-book in-app ISBN: 978 0 19 452946 4 e-book in-app sample

First published in 2019

## No copying or file sharing

This digital publication is protected by international copyright laws. No part of this digital publication may be reproduced, modified, adapted, stored in a retrieval system, or transmitted, in any form or by any means, to any other person or company without the prior permission in writing of Oxford University Press, or as expressly permitted by law. Enquiries concerning reproduction outside the scope of the above should be sent to the ELT Rights Department, Oxford University Press, at the address above

You must not modify, adapt, copy, store, transfer or circulate the contents of this publication under any other branding or as part of any other product. You may not print out material for any commercial purpose or resale

Any websites referred to in this publication are in the public domain and their addresses are provided by Oxford University Press for information only. Oxford University Press disclaims all and any responsibility for the content of such websites

## ACKNOWLEDGEMENTS

The authors and publisher are grateful to those who have given permission to reproduce the following extracts and adaptations of copyright material: p.15 extracts from article 'Weirdest brothers in the world...' by Tom Leonard, 28 August 2015, Daily Mail, reprinted by permission of Solo Syndication; p.25 extracts from article 'Why languages matter to me: Eddie Izzard, Alastair Campbell and more' by Louise Tickle, 28 August 2013, theguardian.com, copyright Guardian News & Media Ltd. 2016, reprinted by permission; p.35 extracts from article 'Dan Price: the CEO who took a pay cut to give his staff a \$70k minimum wage' by Lucy Rock, 29 November 2015, theguardian.com, copyright Guardian News & Media Ltd. 2016, reprinted by permission; p.43 'Henry King' from Cautionary Tales by Hilaire Belloc, reprinted by permission of Peters Fraser & Dunlop (www.petersfraserdunlop.com) on behalf of the Estate of Hilaire Belloc; p.53 Dance like no-one is watching quote as noted in The Yale Book of Quotations, Fred Shapiro, copyright of Yale University Press, 2006, the origins of this quotation are unconfirmed; p.65 text reprinted by kind permission of Jadav Payeng, www. JadavPayeng.org; one quotation from 'One Man Single-Handedly Plants Forest Bigger Than Central Park' by Zi-Ann Lum, from The Huffington Post Canada, 28 October 2014 @ 2014 AOL Inc., all rights reserved, reprinted by permission and protected by the Copyright Laws of the United States, the printing, copying, redistribution or retransmission of this content without express written permission is prohibited. p.68 extracts from 'Andrea Bocelli: Horseman, Winemaker, Lawyer, Late Bloomer' by Debra Eve, www.laterbloomer.com, reprinted by permission; extracts from 'Music and Light', The Australian, reprinted by permission of Susan Chenery; p.85 extracts from article "If I burn out, I burn out': meet Taylor Wilson, nuclear boy genius' by Rory Carroll, 20 June 2015, theguardian.com, copyright Guardian News & Media Ltd. 2016, reprinted by permission; extracts adapted from 'Teen Wonder: Taylor Wilson' by Tom Clynes, 15 April 2014, National Geographic, reprinted by permission; extracts from article 'The Boy Who Played With Fusion' by Tom Clynes, 14 February 2012, www.popsci.com, reprinted by kind permission of Tom Clynes; p.105 extracts from article 'Everything but the groom: why I faked my own wedding' by Naomi Harris, 5 March 2016, theguardian. com, copyright Guardian News & Media Ltd. 2016, reprinted by permission; p.115 text based on interview with Tim Doubleday, reprinted by kind permission; p.125 extracts from article 'The last man on the moon on crash-landings, losing his wife and watching an 'Earth-rise' by Sean O'Hagan, 31 March 2016, theguardian. com, copyright Guardian News & Media Ltd. 2016, reprinted

by permission; p.125 extracts from article 'Christina Noble: the woman who transformed the lives of 700,000 children' by Joanna Moorhead, 13 February 2016, theguardian.com, copyright Guardian News & Media Ltd. 2016, reprinted by permission.

Sources: p.15 Guardian News & Media Ltd.; p.60 Express
Newspapers/N&S Syndication, Telegraph Media Group, Guardian
News & Media Ltd.; p.80 The Independent for the quotation by
Stephen Hawking; The Guardian for the quotation by Demis
Hassabis from article 'The superhero of artificial intelligence: can
this genius keep it in check' by Clemency Burton-Hill, 16 February
2016, theguardian.com, copyright Guardian News & Media
Ltd. 2016; quotation by Nigel Shadbolt from article 'AI: will the
machines ever rise up?' by Ian Sample, 26 June 2015, theguardian.
com, copyright Guardian News & Media Ltd. 2015; p.91 Darley,
J. M., & Batson, C. D. (1973), 'From Jerusalem to Jericho': A study
of situational and dispositional variables in helping behavior',
Journal of Personality and Social Psychology, 27(1), 100–108.
doi:10.1037/h0034449

The publisher would like to thank the following for permission to reproduce photographs: 123RF: 10 (Oresund Bridge/Andreas Ludwig), 11 (laptop/Tainar), 28 (Dublin/Fernando Carniel Machado), 64 (seedling/Sasi Ponchaisang, ant/Oxana Bernatskaya, snake on ground/Vitaly Olefirenko, cut out snake/Kitti Sukhonthanit), 67 (giraffe/Pixphoto, eggs/Sergey Ryzhov, Baobab tree/Pierre Yves-Babelon); Alamy Images pp.12 (Robin Reliant/Colin Underhill, ship in bottle/Zoonar GmbH), 16 (sisters/Eugenio Marongiu/Cultura Creative, mum and daughter/Hero Images Inc., baby and dad/ Zoonar GmbH, son and father/Tim Macpherson/Cultura Creative), 21 (Mary and her little lamb/Lebrecht Music and Arts Photo Library), 28 (girls hugging/Vadym Drobot), 29 (windowcleaner/ Zefrog); 30 (football manager/Image Source Plus), 31 (football manager/Image Source Plus), 36 (Barney/MITO Images, cycling/ Michael Willis, weights/MBI, camping/Islandstock, DIY/Ian Allenden, shopping/John Kellerman, running/Noah Clayton/Tetra Images, windsurfing/Dima Fadeev, gaming/True Images), 38 (sailing/Andrew Findlay), 39 (wolf/Tomasz Zajda); 40/42 (Shakespeare/robertharding), 42 (bird and plane/Charles Polidano/Touch The Skies), 46 (Cinderella/Ton Koene, Peter Pan/ Mary Evans Picture Library, Sleeping Beauty/Artepics), 47 (James Bond silhouette/Philipp Kammerer, Broadway NY/Urbanmyth), 50 (puzzled man/Federico Caputo), 52 (thislife pictures), 58 (wet mobile phone/Aflo Co., Ltd., mobile phone in rice/Richard Newton), 64 (soil/Igor Stevanovic, bamboo/Zoonar GmbH, Jadav Payeng smiling/dpa picture alliance), 65 (Jadav Payeng in forest/ dpa picture alliance, elephant/John Bennet), 70 (Winston/Hero Images Inc), 73 (Carly/Sigrid Olsson/PhotoAlto, Dave & Daniel/ Victor Pravdica), 74 (students on fence/Image Scotland), 75 (Queen and pupils/Wenn UK, rugby/Tom Kidd), 76 (gymnast/Juice Images), 80 (Demis Hassabis/Lee Jae-Won/AFLO, Go game background/ palatiaphoto), 83 (solar panels/Jim West, nuclear reactor/Monty Rakusen/Cultura Creative), 90 (crossing street/Richard Levine, child playing/Peter Muller/Image Source, collapsed person/Tony Tallec), 92 (motorbikes/Witold Skrypczak), 93 (platform/Guy Bell, purse/Richard Sheppard), 95 (parked car/Greg Balfour Evans), 97 (dress shop/Alla Kazantseva), 100 (skull/All is Vanity by Charles Allan Gilbert/Chronicle of World History), 102 (man check shirt/ Wavebreak Media Ltd), 107 (couple/Juice Images), 110 (games/ Helene Rogers/Art Directors & TRIP, record player/Incamerastock), 111 (fountain pen/Alfio Scisetti), 113 (sat nav/David Cole, gift/Hero Images Inc.), 114 (Gollum/Photo 12), 115 (Planet of the Apes/AF Archive), 116 (headphones/Daniel Cosma, handcuffs/Simon Belcher), 123 (gondoliers/James Emmerson/robertharding), 125 (Vietnam/Shaun Higson/Vietnam), 127 (Abraham Lincoln/Ian Dagnall), 128 (young Mother Teresa/Friedrich Stark, Mother Teresa portrait/working/Tim Graham), 156 (Angelina Jolie/5-6 collection); Bridgeman Images pp.46 (Beauty and the Beast/Embleton, Ron (1930-88)/Private Collection/© Look and Learn), Snow-White and the Seven Dwarfs (gouache on paper), Embleton, Ron (1930-88)/ Private Collection/© Look and Learn, Pied Piper of Hamelin, Aldin, Cecil Charles Windsor (1870-1935)/Private Collection/© Look and Learn); Carlo Bevilacqua p.65 (Jadav Payeng planting trees); Christina Noble Children's Foundation p.124 (Christina Noble and children); Bryce Duffy p.85 (Taylor Wilson and family); Getty Images pp.9 (Karnak Temple columns/Michelle McMahon), 10 (Swedish girl/Chris Tobin/Creative RF), 11 (apartment building/ Werner Nystrand/Folio), 12 (cottage/Adam Burton/robertharding), 16 (boy and granddad/Jose Luis Pelaez/Creative RM), 17 (ferrantraite/CreativeRF), 18 (Digital Vision), 20 (bee/Antagain/ CreativeRF), 21 (Thomas Edison/SuperStock), 23 (violin/Klaus Tiedge/Creative RF, schoolboy/Indeed), 24 (Eddie Izzard/Jeff Kravitz), 26 (family/Robert Daly), 27 (Kali9), 30 (diver/Terje Rakke, nurse/Sam Edwards), 36 (Lucinda/Maskot/Creative RF, Justin/Oliver Rossi/Creative RF, yoga/Daniel Ingold/Creative RF, knitting/Dimitri Vervitsiotis/Creative RF, horse/Tim Graham, squash/BraunS, ), 37 (Chicago skyline/Jon Shireman/Creative RM, business meeting/ Paul Bradbury/Calaimage), 41 (Globe theatre/Grant Faint/Creative RM), 53 (couple on beach/Stock colours/E+), 59 (climber/Ascent/PKS Media Inc.), 60 (Leonardo DiCaprio as a child/Darlene Hammond, Leonardo DiCaprio talking/Gustavo Caballero), 62 (Victoria Pendleton cycling/Greg Wood, on horseback/Max Mumby/Indigo), 68 (Andrea Bocelli and Pavarotti/Nicola Casamassima/Stringer/AFP, Andrea on horseback/Mondadori Portfolio), 69 (school bus/Matt Henry Gunther), 70 (Biddy/Dougal Waters/Creative, Ted/Sam Edwards/Calaimage), 72 (teens on sofa/Image Source), 73 (Kate/Tim Roberts/Creative RM, Molly & Carol/Moodboard, Sam & Olly/David Harrigan/Creative RM), 75 (Price Charles at school/Manchester

Daily Express, Gordonstoun outward bound/Chris Ware), 77 (Izusek/Creative RF), 79 (robots/Javier Pierini), 80 (Lee Sidol shaking hands/Handout, Nick Bostrom/The Washington Post), 81 (Stephen Hawking/Gary Gershoff, Kim/John Wildgoose/ Calaimage), 82 (Rob/Hilary/Hero Images/Creative RF, Derek/Steve Prezant/Creative RF), 87 (Richard Drury/Creative RF), 89 (Hamadryas Baboons/John Brown), 90 (lost child/Gideon Mendel), 91 (DEA/A. DAGLI ORTI/The Good Samaritan by Francesco Fontebasso (1707-1769), oil on canvas, priest and bible/Tetra Images/Creative RF), 92 (crowded train/Chris Turner/Stone), 93 (lost child/Ekaterina Nosenko/Moment Open), 95 (couple and dog/Yafi Studio/Creative RF, lego/AnthonyRosenberg/Editorial RF, camping/ Juice Images Ltd, DIY/Paul Bradbury/Creative RF), 97 (restaurant/ David Raymer/Creative RM), 99 (lantern festival/ Nutexzles), 104 (mirror/Dorling Kindersley), 111 (books/ Malerapaso/Creative RF, laptop/Bloomberg), 113 (dating girl/ Peathegee Inc/Creative RF, zebra/Nick Dale/EyeEm), 119 (beach relaxation/joakimbkk); 120 (office/Jose Luis Pelaez Inc/ MNPhotoStudios), 122 (Angelina Jolie/Khalil Mazraawi/Stringer), 127 (girls dressed same/Moodboard, Mohammed Ali/The Stanley Weston Archive), 158 (DEA/A. DAGLI ORTI/The Good Samaritan by Francesco Fontebasso (1707-1769), oil on canvas); Guardian Images pp. 14 (Wolfpack/Linda Nyland), 34/35 (Dan Price/Oliver Ludlow for the Observer); Paul Hancock p.98; The Imaginarium Studios pp.114, 115 (Tim Doubleday); iStock pp.20 (child reading/ Wavebreakmedia, quiz background/Derrek), 34 (Seattle skyline/ pawel.gaul), 38 (hotel/Akabei), 40 (tudor rose/IwonaWawro), 46 (Hansel and Gretel/duncan1890), 57 (friends/CasarsaGuru), 80 (mobile phone/dem10), 90 (money/Nastco), 95 (red dress/Yuri\_ Arcurs), 115 (jungle background for ape/Ankarb), 121 (interview/ Sturti); Brendan Lea p.81 (Nigel Shadbolt); Mary Evans Picture Library p.46 (Rapunzel/Katherine Cameron/Peter & Dawn Cope Collection), 114 (Andy Serkis/The Lord of the Rings, Two Towers, Andt Serkis, 2002 © New Line/Everett Collection); Punya Mishra p.100 (Good/Evil); NASA p.124 (Eugene Cernan in spacesuit), 125 (Eugene Cernan and family); National Geographic p.84 (Taylor Wilson/Deanne Fitzmaurice); Newscom p.82 (robot waitress/Han Chuanhao Xinhua News Agency); Oxford University Press media pp.2, 4, 8, 14 (headshot), 25 (TV), 35 (coastguard ), 44 (headshot) 55 (vintage photo), 65 (garden), 74 (students), 84 (moon landing), 94 (girl drinking), 105 (skydivers), 114 (head-mounted camera ), 124 (two women); Oxford University Press pp.9 (with photos kindly provided by Nick Bruckman at People's TV) 26 (dictionaries), 78 (Punchstock), 84 (sun background), 116 (dictionary entires), 125 (moon/Photodisc); PA Images p.65 (Ann Daniels portrait); Pavilion Books Company Ltd p.93 (Thank you cover @ Pavilion Books, 43 Great Ormond Street, London. WC1N 3HZ); Rex Shutterstock pp.15 (Wolfpack film poster/Moviestore Collection), 25 (Chris Packham/David Crump Daily Mail), 61 (Revanant still/20th Century Fox/Regency Enterprises, Titanic still/Moviestore Collection), 65 (Ann Daniels with sledge), 80 (Lee Sidol portrait/ Aflo), 103 (Imaginechina), 106 (Rex Spiers portrait/AP, crate/Rex), 115 (Coldplay/Kristin Callahan/ACE); Science Photo Library pp.64 (seeds/Stuart Wilson); Shutterstock pp.12 (man/Stocklite), 13 (man/Lassedesignen), 15 (skyline/Chuckstock), 23 (kayaking/ Dudarev Mikhail, dog/Javier Brosch), 24 (world map background/ Mirexon), 26 (German flag/Globe Turner, UK flag/Charnsitr, Portugese flag/Gil C), 30 (headteacher/Kurhan), 40 (parchment background/Paladin12, gold frame/Prapann), 41 (drama masks/ Shooarts), 43 (paper background/Spacezerocom), 44 (Oscar Wilde/ Everett Historical), 47 (chatting/Antonio Guillem, gun barrel background/J0v43), 49 (dog and cat/Michael Pettigrew),, 51 (keep off the grass/Claudio Divizia), 52 (wood frame/Vinne), 54 (pebble background/sarayut jun-ngam), 55 (lecturer/ESB Professional), 64 (forest background/ODM), 67 (ants/schankz), 72 (teens against wall/Monkey Business Images, smiling teen/Pressmaster), 80 (dotty background/DrHitch), 82 (Jessica/Racom), 83 (chimneys/Stefan Kunchev Kunchev, windfarm/Tony Moran), 92 (ring/Art\_girl), 93 (gloves/Spe), 95 (sparkly background/Jet Shopping Media), 97 (bureau counter/Fotokon, cinema foyer/Settawat Udom), 100 (half man/Pathdoc), 101 (sunflowers/Pakhnyushchy, goldfish/ Tanuha2001), 102 (man smiling on phone/Lightwavemedia), 104 (Japanese bride/Liza54500), 104 (cherry blossom falling/ maljuk), 105 (cherry blossom branches/Ms. Octopus), 106 (wood background/Satit sewtiw), 107 (cherry blossom falling/maljuk), 109 (sitting on stairs/Photographee.eu), 110 (swirly background/ OmniArt), 112 (chocolates/Nevodka), 118 (man/Halfpoint, avatar/ Drumcheg), 120 (Cadiz/Vlada Photo), 123 (Venice/Canadastock); Yuhino Suzuki pp.104,105 (Naomi Harris); D.C.Thomson & Co., Ltd p.74 (Prince Philip visting Gordonstoun/Gordon Lennox); TurboSquid p.115 (ape body and head/Daveido); Vicon Motion Systems Ltd p.115 ( (head-mounted camera)

Cover Image: Getty Images; (commuter/Paul Bradbury).

Commissioned photos by: Graham Alder at MM Studios p.54 (pebbles in jar); Gareth Boden p.88.

Illustrations by: Jonathan Allardyce/Illustration p.32; Richard Allen/
Eye Candy pp.36, 56, 86, 112 (mime artist), 116, 120; Stefano
Azzalin/Advocate Art p.48 (man and sons); Tom Croft pp.22,
100 (donkey/seal, duck/rabbit); Svetlana Dorosheva/Illustration
pp.44-5; Alessandra Fusi/Advocate Art pp.42, 48 (Emperor),
63; Leo Hartas p.108, 157; Javier Joaquin/Organisation pp.21,
71, 96, 112 (top), 113 (waiter), 126, 155; Chris King/Illustration
p.100 (soldier); Colin Morton p.46 (book covers design); Ian Naylor/
Illustration pp.20 (ATM), 117, 158; Mark Ruffle p.94; Tim Ruffle
p.115 (ape and jungle); Martin Sanders pp.40 (map), 106, 110,
113 (garden design).