Preface

1. See <https://www.theliftproject.global/research>.

Introduction
What you need to know about your Limbo

1. P MacLean and J Delgado (1953) "Electrical and chemical stimulation of the fronto-temporal portion of the limbic system in the waking animal," *Electroencephalograph Clinical Neurophysiology*, 5(1), pages 91–100.
2. J Olds and P Milner (1954) "Positive reinforcement produced by electrical stimulation of septal area and other regions of rat brain," *Journal of Comparative and Physiological Psychology*, 47(6), pages 419–427.
3. D D Danner, D A Snowdon and W V Friesen (2001) "Positive emotions in early life and longevity: findings from the nun study," *Journal of Personality and Social Psychology*, 80(5), pages 804–813.
4. S Pressman and D Cohen (2012) "Positive emotion word use and longevity in famous deceased psychologists," *Health Psychology*, 31(3), pages 297–305.
5. E Abel and M Kruger (2010) "Smile intensity in photographs predicts longevity," *Psychological Science*, 21(4), pages 542–544.
6. R Levy, M D Slade, S R Kunkel and S V Kasl (2002) "Longevity increased by positive self-perceptions of aging," *Journal of Personality and Social Psychology*, 83(2), pages 261–270.
7. L O Lee, P James, E S Zevon, E S Kim, C Trudel-Fitzgerald, A Spiro, F Grodstein and L D Kubzansky (2019) "Optimism is associated with exceptional longevity in 2 epidemiologic cohorts of men and women," *Proceedings of the National Academy of Sciences of the United States of America*, 116(37), pages 18357–18362.
8. A Rozanski, C Bavishi, L D Kubzansky and R Cohen (2019) "Association of optimism with cardiovascular events and all-cause mortality: A systematic review and meta-analysis," *JAMA Network Open*, 2(9), article e1912200.
11. J L Kurtz and S Lyubomirsky (2008) "Towards a durable happiness" in S J Lopez and J G Rettew (editors), *The Positive Psychology Perspective Series*, Vol 4, Greenwood Publishing Group, pages 21–36.
12. R B Nes and E Røysamb (2017) "Happiness in behaviour genetics: An update on heritability and changeability," *Journal of Happiness Studies*, 18, pages 1533–1552.
9. E Diener and M Y Chan (2011) "Happy people live longer: Subjective well-being contributes to health and longevity," *Applied Psychology: Health and Well-Being*, 3(1), pages 1–43.
10. Proverbs 17:22, *Holy Bible*, King James Version.
13. L Harker and D Keltner (2001) "Expressions of positive emotion in women's college yearbook pictures and their relationship to personality and life outcomes across adulthood," *Journal of Personality and Social Psychology*, 80(1), pages 112–124.
14. I Robertson and C Cooper (2011) *Well-Being: Productivity and Happiness at Work*, Palgrave Macmillan.
15. J K Boehm and S Lyubomirsky (2008) "Does happiness promote career success?" *Journal of Career Assessment*, 16(1), pages 101–116; E Diener and R Biswas-Diener (2008) *Happiness: Unlocking the Mysteries of Psychological Wealth*, Blackwell Publishing.
16. E Diener and M Chan (2011) "Happy people live longer: Subjective well-being contributes to health and longevity," *Applied Psychology: Health and Well-Being*, 3, pages 1–43.
17. D Carnegie (2006) *How to Win Friends and Influence People*, Updated Edition, Vermilion.
18. D Goleman (1995) *Emotional Intelligence: Why It Can Matter More Than IQ*, Bantam Books.
19. J E Williams, C C Paton, I C Siefler, M L Eigenbrodt, F J Nieto and H A Tyroler (2000) "Anger proneness predicts coronary heart disease risk: Prospective analysis from the Atherosclerosis Risk In Communities (ARIC) Study," *Circulation*, 101, pages 2034–2039.
20. A Peters, S von Klot, M Heier, I Trentinaglia, A Hörmann, H E Wichmann and H Löwel (2004) "Exposure to traffic and the onset of myocardial infarction," *New England Journal of Medicine*, 351(17), pages 1721–1730.
21. Cleveland Clinic (2023) "Gut microbiome," <https://my.clevelandclinic.org/health/body/25201-gut-microbiome>.
22. J K Kiecolt-Glaser, T J Loving, J R Stowell, W B Malarkey, S Lemeshow, S L Dickinson and R Glaser (2005) "Hostile marital interactions, proinflammatory cytokine production, and wound healing," *Archives of General Psychiatry*, 62, pages 1377–1384.
23. P T Marucha, J K Kiecolt-Glaser and M Favagehi (1998) "Mucosal wound healing is impaired by examination stress," *Psychosomatic Medicine*, 60, pages 362–365.

Chapter 1
Your Limbo is listening

1. G M Buchanan and M Seligman (2013) *Explanatory Style*, Routledge Press.
2. R J Gregory, S Schwer-Canning, T W Lee and J C Wise (2004) "Cognitive bibliotherapy for depression: A meta-analysis," *Professional Psychology: Research and Practice*, 35(3), pages 275–280.
3. K Rounding, A Lee, J A Jacobson and L Ji (2012) "Religion replenishes self-control," *Psychological Science*, 23, page 635.
4. J A Bargh, M Chen and L Burrows (1996) "Automaticity of social behavior: Direct effects of trait construct and stereotype activation on action," *Journal of Personality and Social Psychology*, 71(2), pages 230–244.
5. F Lowry (2021) "Words hurt: Maternal criticism ups major depression risk in kids," *Medscape*, <https://www.medscape.com/viewarticle/948046>.
6. S Carrère, K T Buehlman, J M Gottman, J A Coan and L Ruckstuhl (2000) "Predicting marital stability and divorce in newlywed couples," *Journal of Family Psychology*, 14(1), pages 42–58.
7. J M Gottman and R W Levenson (1999) "What predicts change in marital interaction over time? A study of alternative models," *Family Processes Journal*, 38(2), pages 143–158.
8. M Losada (1999) "The complex dynamics of high performance teams," *Mathematical and Computer Modelling*, 30(9–10), pages 179–192.
9. N Brown, A Sokal and H Friedman (2013) "The complex dynamics of wishful thinking: The critical positivity ratio," *American Psychologist*, 68(9), pages 801–813.
10. B L Fredrickson and M F Losada (2005) "Positive affect and the complex dynamics of human flourishing," *American Psychologist*, 60(7), pages 678–686.

Chapter 2
Motion creates emotion

1. A Abbott (2006) "In search of the sixth sense," *Nature*, 442(7099), pages 125–127.
2. J Laird (1974) "Self-attribution of emotion: The effects of expressive behavior on the quality of emotional experience," *Journal of Personality and Social Psychology*, 29(4), pages 475–486.
3. N E Brick, M J McElhinney and R S Metcalfe (2018) "The effects of facial expression and relaxation cues on movement economy, physiological, and perceptual responses during running," *Psychology of Sport and Exercise*, 34, pages 20–28.
4. S Nair, M Sagar, J Sollers, N Consedine and E Broadbent (2015) "Do slumped and upright postures affect stress responses? A randomised trial," *Health Psychology*, 34(6), pages 632–641.
5. A J Cuddy, C A Wilmuth and D R Carney (2012) "The benefit of power posing before a high-stakes social evaluation," *Harvard Business School Working Paper*, No. 13-027, <http://nrs.harvard.edu/urn-3:HUL.InstRepos:9547823>.
6. A Kandola, G Lewis, D Osborn, B Stubbs and J F Hayes (2020) "Depressive symptoms and objectively measured physical activity and sedentary behaviour throughout adolescence: A prospective cohort study," *The Lancet Psychiatry*, 7, pages 262–271.
7. World Health Organization (2020) *WHO Guidelines on Physical Activity and Sedentary Behaviour*, World Health Organization, <https://www.who.int/publications/i/item/9789240015128>.
8. J B Bartholomew, D Morrison and J T Ciccolo (2005) "Effects of acute exercise on mood and well-being in patients with major depressive disorder," *Medicine & Science in Sports & Exercise*, 37(12), pages 2032–2037.
9. M Pearce, L Garcia, A Abbas, T Strain, F B Schuch, R Golubic, P Kelly, S Khan, M Utukuri, Y Laird, A Mok, A Smith, M Tainio, S Brage and J Woodcock (2022) "Association between physical activity and risk of depression: A systematic review and meta-analysis," *JAMA Psychiatry*, 79(6), pages 550–559.
10. S R Chekroud, R Gueorguieva, A B Zheutlin, M Paulus, H M Krumholz, J H Krystal and A M Chekroud (2018) "Association between physical exercise and mental health in 1.2 million individuals in the USA between 2011 and 2015: A cross-sectional study," *The Lancet Psychiatry*, 5(9), pages 739–746.
11. G M Cooney, K Dwan, C A Greig, D A Lawlor, J Rimer, F R Waugh, M McMurdo and G E Mead (2013) "Exercise for depression," *Cochrane Database of Systematic Reviews*, Issue 9, Art. No. CD004366; F Recchia, C K Leung, E C Chin, D Y Fong, D Montero, C P Cheng, S Y Yau and P M Siu (2022) "Comparative effectiveness of exercise, antidepressants and their combination in treating non-severe depression: A systematic review and network meta-analysis of randomised controlled trials," *British Journal of Sports Medicine*, 56(23), 1375–1380.
12. F B Schuch and B Stubbs (2019) "The role of exercise in preventing and treating depression," *Current Sports Medicine Reports*, 18(8), pages 299–304.
13. J Richards, X Jiang, P Kelly, J Chau, A Bauman and D Ding (2015) "Don't worry, be happy: Cross-sectional associations between physical activity and happiness in 15 European countries," *BMC Public Health*, 15, page 53.
14. N Lathia, G M Sandstrom, C Mascolo and P J Rentfrow (2017) "Happier people live more active lives: Using smartphones to link happiness and physical activity," *PLoS ONE*, 12(1), article e0160589.

15. N Vogels, G Egger, G Plasqui and K R Westerterp (2004) “Estimating changes in daily physical activity levels over time: Implication for health interventions from a novel approach,” *International Journal of Sports Medicine*, 25, pages 607–610.
16. T Strain, S Flaxman, R Guthold, E Semenova, M Cowan, L M Riley, F C Bull, G A Stevens, and the Country Data Author Group (2024) “National, regional, and global trends in insufficient physical activity among adults from 2000 to 2022: A pooled analysis of 507 population-based surveys with 5.7 million participants,” *The Lancet Global Health*, 12, pages e1232–e1243.
17. R R Yeung (1996) “The acute effects of exercise on mood state,” *Journal of Psychosomatic Research*, 40(2), 123–141.
18. C Hanson, L Stevens and R Coast (2001) “Exercise duration and mood state: How much is enough to feel better?” *Health Psychology*, 20(4), pages 267–275.
19. P Ekkekakis, E E Hall, L M VanLanduyt and S J Petruzzello (2000) “Walking in (affective) circles: Can short walks enhance affect?” *Journal of Behavioral Medicine*, 23, pages 245–275.
20. World Health Organization (2020) *WHO Guidelines on Physical Activity and Sedentary Behaviour*, World Health Organization, <https://www.who.int/publications/i/item/9789240015128>.
21. K Norton, L Norton and D Sadgrove (2010) “Position statement on physical activity and exercise intensity terminology,” *Journal of Science and Medicine in Sport*, 13(5), pages 496–502.
22. C Tudor-Locke, C L Craig, W J Brown, S A Clemes, K De Cocker, B Giles-Corti, Y Hatano, S Inoue, S M Matsudo, N Mutrie, U Oppert, D A Rowe, M D Schmidt, G M Schofield, J C Spence, P J Teixeira, M A Tully and S N Blair (2011) “How many steps/day are enough? For adults,” *International Journal of Behavioral Nutrition and Physical Activity*, 8, page 79.
23. D Ding, B Nguyen, T Nau, M Luo, B Del Pozo Cruz, P C Dempsey, Z Munn, B J Jefferis, C Sherrington, E A Calleja, K H Chong, R Davis, M E Francois, A Tiedemann, S J H Biddle, A Okely, A Bauman, U Ekelund, P Clare and K Owen (2025) “Daily steps and health outcomes in adults: A systematic review and dose-response meta-analysis,” *The Lancet Public Health*, 10, pages e668–e681.
24. M Pearce, L Garcia, A Abbas, T Strain, F B Schuch, R Golubic, P Kelly, S Khan, M Utukuri, Y Laird, A Mok, A Smith, M Tainio, S Brage and J Woodcock (2022) “Association between physical activity and risk of depression: A systematic review and meta-analysis,” *JAMA Psychiatry*, 79(6), pages 550–559.
25. World Health Organization (2020) *WHO Guidelines on Physical Activity and Sedentary Behaviour*, World Health Organization, <https://www.who.int/publications/i/item/9789240015128>.
26. N A Singh, T M Stavrinos, Y Scarbek, G Galambos, C Liber, M A Fiatarone Singh and J E Morley (2005) “A randomized controlled trial of high versus low intensity weight training versus general practitioner care for clinical depression in older adults,” *The Journals of Gerontology: Series A*, 60(6), pages 768–776.
27. A S Sprouse-Blum, G Smith, D Sugai and F D Parsa (2010) “Understanding endorphins and their importance in pain management,” *Hawaii Medical Journal*, 69(3), pages 70–71.
28. World Health Organization (2020) *WHO Guidelines on Physical Activity and Sedentary Behaviour*, World Health Organization, <https://www.who.int/publications/i/item/9789240015128>.
29. W L Westcott (2012) “Resistance training is medicine: Effects of strength training on health,” *Current Sports Medicine Reports*, 11(4), pages 209–216.
30. S Abou Sawan, E A Nunes, C Lim, J McKendry and S M Phillips (2023) “The health benefits of resistance exercise: Beyond hypertrophy and big weights,” *Exercise, Sport, and Movement*, 1(1), article e00001.
31. S Abou Sawan, E A Nunes, C Lim, J McKendry and S M Phillips (2023) “The health benefits of resistance exercise: Beyond hypertrophy and big weights,” *Exercise, Sport, and Movement*, 1(1), article e00001.
32. S Schnyder and C Handschin (2015) “Skeletal muscle as an endocrine organ: PGC-1α, myokines and exercise,” *Bone*, 80, pages 115–125.
33. M C K Severinsen and B K Pedersen (2020) “Muscle-organ crosstalk: The emerging roles of myokines,” *Endocrine Reviews*, 41(4), pages 594–609.
34. M Komatsuzaki, Y Koshino, T Ishida, S Kasahara, F A Soria, Y Ebina, H Tohyama and M Samukawa (2024) “The effects of active stretching exercise on mood and autonomic modulation in middle-aged women,” *Women’s Health Reports*, 5(1), pages 680–688.
35. R Davis, R Campbell, Z Hildon, L Hobbs and S Michie (2015) “Theories of behaviour and behaviour change across the social and behavioural sciences: A scoping review,” *Health Psychology Review*, 9(3), pages 323–344.
36. S Sinek (2025) *Start With Why: How Great Leaders Inspire Everyone to Take Action* (15th Anniversary Edition), Penguin.
37. D M Bravata, C Smith-Spangler, V Sundaram, A L Gienger, N Lin, R Lewis, C D Stave, I Olkin and J R Sirard (2007) “Using pedometers to increase physical activity and improve health: A systematic review,” *JAMA*, 298(19), pages 2296–2304.

Chapter 3
Blue and green should often be seen

1. T-H Kim, G-W Jeong, H-S Baek, G-W Kim, T Sundaram, H-K Kang, S-W Lee, H-J Kim and J-K Song (2010) "Human brain activation in response to visual stimulation with rural and urban scenery pictures: A functional magnetic resonance imaging study," *Science of the Total Environment*, 408(12), pages 2600–2607.
2. A Mantler and A C Logan (2015) "Natural environments and mental health," *Advances in Integrative Medicine*, 2(1), pages 5–12.
3. L Lottrup, U K Stigsdotter, H Henrik Meilby and A G Claudi (2015) "The workplace window view: A determinant of office workers' work ability and job satisfaction," *Landscape Research*, 40, pages 57–75.
4. J A Benfield, G A Rainbolt, P A Bell and G Donovan (2013) "Classrooms with nature views: Evidence of differing student perceptions and behaviors," *Environment and Behavior*, 47(2), pages 140–157.
5. D R Simmons (2011) "Colour and emotion" in C P Biggam, C A Hough, C J Kay and D R Simmons (editors), *New Directions in Colour Studies*, John Benjamins Publishing Company, pages 395–414.
6. R Mehta and R Zhu (2009) "Blue or red? Exploring the effect of color on cognitive task performances," *Science*, 323, pages 1226–1228.
7. D Jonauskaite and C Mohr (2025) "Do we feel colours? A systematic review of 128 years of psychological research linking colours and emotions," *Psychonomic Bulletin & Review*, 32(4), 1457–1486.
8. L Finlayson, I R M Barnard, L McMillan, S H Ibbotson, C T A Brown, E Eadie and K Wood (2021) "Depth penetration of light into skin as a function of wavelength from 200 to 1000 nm," *Photochemistry and Photobiology*, 98(4), pages 974–981.
9. M B Powner and G Jeffery (2024) "Light stimulation of mitochondria reduces blood glucose levels," *Journal of Biophotonics*, 17(5), article e202300521.
10. C Dompe, L Moncrieff, J Matys, K Grzech-Leśniak, I Kocherova, A Bryja, M Bruska, M Dominiak, P Mozdziak, T H I Skiba and others (2020) "Photobiomodulation—underlying mechanism and clinical applications," *Journal of Clinical Medicine*, 9(6), article 1724.
11. L T N Ngoc, J Y Moon and Y C Lee (2023) "Utilization of light-emitting diodes for skin therapy: Systematic review and meta-analysis," *Photodermatology, Photoimmunology & Photomedicine*, 39(4), 303–317.
12. D R Simmons (2011) "Colour and emotion" in C P Biggam, C A Hough, C J Kay and D R Simmons (editors), *New Directions in Colour Studies*, John Benjamins Publishing Company, pages 395–414.
13. Mayo Clinic (2021) "Seasonal affective disorder (SAD) – symptoms and causes," <https://www.mayoclinic.org/diseases-conditions/seasonal-affective-disorder/symptoms-causes/syc-20364651>.
14. A Cuomo, P Carmellini, M L Garo, G Barillà, C Libri, A Spiti, A Goracci, S Bolognesi and A Fagiolini (2023) "Effectiveness of light therapy as adjunctive treatment in bipolar depression: A pilot study," *Journal of Affective Disorders*, 321, pages 102–107.
15. R W Lam, A J Levitt, R D Levitan, E E Michalak, A H Cheung, R Morehouse, R Ramasubbu, L N Yatham and E M Tam (2016) "Efficacy of bright light treatment, fluoxetine, and the combination in patients with nonseasonal major depressive disorder: A randomized clinical trial," *JAMA Psychiatry*, 73(1), pages 56–63.
16. E R Stothard, A W McHill, C M Depner, B R Birks, T M Moehlman, H K Ritchie, J R Guzzetti, E D Chinoy, M K LeBourgeois, J Axelsson and K P Wright (2016) "Circadian entrainment to the natural light-dark cycle across seasons and the weekend," *Current Biology*, 27, pages 1–6.
17. Y L Ferguson and K M Sheldon (2013) "Trying to be happier really can work: Two experimental studies," *Journal of Positive Psychology*, 8, pages 23–33.
18. H Bringman, K Giesecke, A Thörne and S Bringman (2009) "Relaxing music as pre-medication before surgery: A randomised controlled trial," *Acta Anaesthesiologica Scandinavica*, 53(6), pages 759–764.
19. H Kimata (2003) "Listening to Mozart reduces allergic skin wheal responses and in vitro allergen-specific IgE production in atopic dermatitis patients with latex allergy," *Behavioral Medicine*, 29(1), pages 15–19.
20. T Babikian, L Zeltzer, V Tachdjian, L Henry, E Javanfard, L Tucci, M Goodarzi and R Tachdjian (2013) "Music as medicine: A review and historical perspective," *Alternative and Complementary Therapies*, 19(5), pages 251–254.
21. E O Wilson (2023) *Biophilia: The Human Bond with Other Species*, Harvard University Press.
22. E A McMahan and D Estes (2015) "The effect of contact with natural environments on positive and negative affect: A meta-analysis," *The Journal of Positive Psychology*, 10(6), pages 507–519.
23. K Liu, C Guo, J Xie and L Cheng (2025) "Outdoor activity time and depression risk among adults aged 40 years and older: A cross-sectional analysis of NHANES 2011–2018 data," *Frontiers in Psychology*, 16, article 1506168.

24. S Kühn, T Banaschewski, A L W Bokde, C Büchel, E B Quinlan, S Desrivières, H Flor, A Grigis, H Garavan, P Gowland, A Heinz, B Ittermann, J-L Martinot, M L P Martinot, F Nees, D P Orfanos, T Paus, L Poustka, S Millenet and J H Fröhner (2020) "Brain structure and habitat: Do the brains of our children tell us where they have been brought up?" *NeuroImage*, 222, article 117225.
25. N Klepeis, W Nelson, W Ott, J P Robinson, A M Tsang, P Switzer, J V Behar, S C Hern and W H Engelmann (2001) "The National Human Activity Pattern Survey (NHAPS): A resource for assessing exposure to environmental pollutants," *Journal of Exposure Science and Environmental Epidemiology*, 11, pages 231–252.
26. R Ulrich (1984) "View through a window may influence recovery from surgery," *Science*, 224(4647), pages 420–421.
27. M O Steininger, M P White, L Lengersdorff, L Zhang, A J Smalley, S Kühn and C Lamm (2025) "Nature exposure induces analgesic effects by acting on nociception-related neural processing," *Nature Communications*, 16(1), pages 1–12.
28. M K Wolfe and J Mennis (2012) "Does vegetation encourage or suppress urban crime? Evidence from Philadelphia, PA," *Landscape and Urban Planning*, 108(2–4), pages 112–122.
29. M Georgiou, G Morison, N Smith, Z Tieges and S Chastin (2021) "Mechanisms of impact of blue spaces on human health: A systematic literature review and meta-analysis," *International Journal of Environmental Research and Public Health*, 18(5), article 2486.
30. W J Nichols (2016) *Blue Mind: How Water Makes You Happier, More Connected and Better at What You Do*, Little Brown.
31. R Geary, D Thompson, A Mizen, A Akbari, J K Garrett, F M Rowney, A Watkins, R A Lyons, G Stratton, R Lovell, M Nieuwenhuijsen, S C Parker, J Song, D Tsimpida, J White, M P White, S Williams, B W Wheeler, R Fry and S E Rodgers (2023) "Ambient greenness, access to local green spaces, and subsequent mental health: A 10-year longitudinal dynamic panel study of 2.3 million adults in Wales," *The Lancet Planetary Health*, 7, pages e809–e818.
32. D Nutsford, A L Pearson and S Kingham (2013) "An ecological study investigating the association between access to urban green space and mental health," *Public Health*, 127(11), pages 1005–1011.
33. A Mantler and A C Logan (2015) "Natural environments and mental health," *Advances in Integrative Medicine*, 2(1), pages 5–12.
34. Q Li, K Morimoto, M Kobayashi, H Inagaki, M Katsumata, Y Hirata, K Hirata, H Suzuki, Y J Li, Y Wakayama, T Kawada, B J Park, T Ohira, N Matsui, T Kagawa, Y Miyazaki and A M Krensky (2008) "Visiting a forest, but not a city, increases human natural killer activity and expression of anti-cancer proteins," *International Journal of Immunopathology and Pharmacology*, 21(1), pages 117–127.
35. M P White, I Alcock, J Grellier, B W Wheeler, T Hartig, S L Warber, A Bone, M H Depledge and L E Fleming (2019) "Spending at least 120 minutes a week in nature is associated with good health and wellbeing," *Scientific Reports*, 9, article 7730.
36. L Scherer (2024) "Will your next prescription be 20 minutes of nature a day?" *Medscape*, <https://www.medscape.com/viewarticle/will-your-next-prescription-be-20-minutes-nature-day-2024a10006j0>.
37. R Mitchell (2013) "Is physical activity in natural environments better for mental health than physical activity in other environments?" *Social Science & Medicine*, 91, pages 130–134.

Chapter 4
Together feels better

1. S M Platek, F B Mohamed and G G Gallup (2005) "Contagious yawning and the brain," *Cognitive Brain Research*, 23(2–3), pages 448–452.
2. L Bonini, C Rotunno, E Arcuri and V Gallese (2022) "Mirror neurons 30 years later: Implications and applications," *Trends in Cognitive Sciences*, 26, pages 767–781.
3. B Wild, M Erb, M Eyb, M Bartels and W Grodd (2003) "Why are smiles contagious? An fMRI study of the interaction between perception of facial affect and facial movements," *Psychiatry Research*, 123(1), pages 17–36.
4. T Chartrand and J A Bargh (1999) "The chameleon effect: The perception-behavior link and social interaction," *Journal of Personality and Social Psychology*, 76(6), pages 893–910.
5. C E Rusbult, E J Finkel and M Kumashiro (2009) "The Michelangelo phenomenon," *Current Directions in Psychological Science*, 18(6), pages 305–309.
6. D Goleman (1995) *Emotional Intelligence: Why It Can Matter More Than IQ*, Bantam Books.
7. A Tal, A Musicus and B Wansink (2014) "Eyes in the aisles: Why is Cap'n Crunch looking down at my child?" *Environment and Behavior*, 47(7), 715–733.
8. C Wedekind, T Seebeck, F Bettens and A Paepke (1995) "MHC-dependent mate preferences in humans," *Proceedings of the Royal Society B: Biological Sciences*, 260(1359), pages 245–249.

9. J H Fowler and N A Christakis (2008) “Dynamic spread of happiness in a large social network: Longitudinal analysis over 20 years in the Framingham Heart Study,” *BMJ*, 337, a2338.
10. A L Pitman, D P J Osborn, K Rantell and M B King (2016) “Bereavement by suicide as a risk factor for suicide attempt: A cross-sectional national UK-wide study of 3432 young bereaved adults,” *BMJ Open*, 6, article e009948.
11. M E P Seligman (2002) *Authentic Happiness: Using the New Positive Psychology to Realize Your Potential for Lasting Fulfillment*, Free Press.
12. L Mineo (2017) “Good genes are nice, but joy is better,” *Harvard Gazette*, <https://news.harvard.edu/gazette/story/2017/04/over-nearly-80-years-harvard-study-has-been-showing-how-to-live-a-healthy-and-happy-life/>.
13. J Holt-Lunstad, T B Smith and J B Layton (2010) “Social relationships and mortality risk: A meta-analytic review,” *PLoS Medicine*, 7(7), article e1000316.
14. K W Choi, M B Stein, K M Nishimi, T Ge, J R I Coleman, C-Y Chen, A Ratanatharathorn, A B Zheutlin, E C Dunn, G Breen, K C Koenen and J W Smoller (2020) “An exposure-wide and Mendelian randomization approach to identifying modifiable factors for the prevention of depression,” *American Journal of Psychiatry*, 177(10), pages 944–954.
15. E Diener and R Biswas-Diener (2008) *Happiness: Unlocking the Mysteries of Psychological Wealth*, Blackwell Publishing.
16. D Gilbert (2007) *Stumbling on Happiness*, William Collins.
17. J Albertorio-Diaz and C Wheldon (2025) “Prevalence of loneliness states among the U.S. adult population: Findings from the 2022 HINTS-6,” *American Journal of Preventive Medicine*, 70(3), 107935.
18. P J Na, D V Jeste and R H Pietrzak (2023) “Social disconnection as a global behavioral epidemic—A call to action about a major health risk factor,” *JAMA Psychiatry*, 80(2), pages 101–102.
19. L Mineo (2017) “Good genes are nice, but joy is better,” *Harvard Gazette*, <https://news.harvard.edu/gazette/story/2017/04/over-nearly-80-years-harvard-study-has-been-showing-how-to-live-a-healthy-and-happy-life/>.
20. B Frederickson (2014) *Love 2.0: Creating Happiness and Health in Moments of Connection*, Plume.
21. G M Sandstrom and E W Dunn (2013) “Is efficiency overrated?: Minimal social interactions lead to belonging and positive affect,” *Social Psychological and Personality Science*, 5(4), pages 437–442.
22. B C Major, K D Le Nguyen, K B Lundberg and B L Fredrickson (2018) “Well-being correlates of perceived positivity resonance: Evidence from trait and episode-level assessments,” *Personality and Social Psychology Bulletin*, 44(12), pages 1631–1647.
23. D F Morse, S Sandhu, K Mulligan, S Tierney, M Polley, B Chiva Giurca, S Slade, S Dias, K R Mahtani, L Wells, H Wang, B Zhao, C E M De Figueiredo, J J Meijs, H K Nam, K H Lee, C Wallace, M Elliott, J M Mendive, D Robinson, M Palo, W Herrmann, R Ø Nielsen and K Husk (2022) “Global developments in social prescribing,” *BMJ Global Health*, 7, article e008524.
24. J M Twenge (2017) “Have smartphones destroyed a generation?” *The Atlantic*, September, <https://www.theatlantic.com/magazine/archive/2017/09/has-the-smartphone-destroyed-a-generation/534198/>.
25. S Kemp (2025) “Digital 2025: Global overview report,” *DataReportal*, <https://datareportal.com/reports/digital-2025-global-overview-report>.
26. W Zhou, Z Yan, Z Yang and Z Hussain (2023) “Problematic social media use and mental health risks among first-year Chinese undergraduates: A three-wave longitudinal study,” *Frontiers in Psychiatry*, 14, 1237924.
27. E Boers, M H Afzali, N Newton and P Conrod (2019) “Association of screen time and depression in adolescence,” *JAMA Pediatrics*, 173(9), pages 853–859.
28. J Helliwell, R Layard and J Sachs (editors) (2016) *World Happiness Report 2016, Volume I, Update*, Sustainable Development Solutions Network, <https://www.worldhappiness.report/ed/2016/>.
29. T Sharp (Dr Happy) (2017) “Why social media might be destroying your happiness (and what you can do about it),” <https://healthhub.hif.com.au/mental-health/why-social-media-might-be-destroying-your-happiness-and-what-you-can-do-about-it>.
30. E Boers, M H Afzali, N Newton and P Conrod (2019) “Association of screen time and depression in adolescence,” *JAMA Pediatrics*, 173(9), pages 853–859.
31. K E Riehm, K A Feder, K N Tormohlen, C Crum, J Young, R Greenleaf, C A Pacek and R Mojtabai (2019) “Associations between time spent using social media and internalizing and externalizing problems among US youth,” *JAMA Psychiatry*, 76(12), pages 1266–1273.
32. A K Przybylski, K Murayama, C R DeHaan and V Gladwell (2013) “Motivational, emotional, and behavioral correlates of fear of missing out,” *Computers in Human Behavior*, 29(4), 1841–1848.
33. J Stempel (2023) “Meta’s Instagram linked to depression, anxiety, insomnia in kids: US states’ lawsuit,” *Medscape*, <https://www.medscape.com/s/viewarticle/997667>.
34. J Q H Ho, M Hu, T X Chen and A Hartanto (2025) “Potential and pitfalls of romantic artificial intelligence (AI) companions: A systematic review,” *Computers in Human Behavior Reports*, 19, 100715.

35. Healthdirect Australia (2026) “Health benefits of having a pet,” <https://www.healthdirect.gov.au/health-benefits-of-having-a-pet>.
36. M Nagasawa, S Mitsui, S En, N Ohtani, M Ohta, T Sakuma, T Onaka, K Mogi and T Kikusui (2015) “Oxytocin-gaze positive loop and the coevolution of human–dog bonds,” *Science*, 348, pages 333–336.
37. A Stanley (2020) “You’re not the boss of me” presentation series, <https://yourmove.is/videos/youre-not-the-boss-of-me-part-1-from-the-heart>.
38. S R Covey with S Covey (2020) *The 7 Habits of Highly Effective People* (30th Anniversary Edition), Simon and Schuster Australia.
39. 1 Corinthians 13:4, 5, *Holy Bible*, *New International Version*®, NIV® Copyright ©1973, 1978, 1984, 2011 by Biblica, Inc.® Used by permission. All rights reserved worldwide. Unless otherwise specified, Bible verses quoted in this book are from the NIV.
40. G Chapman (2010) *The 5 Love Languages: The Secret to Love That Lasts*, Northfield Publishing.
41. D Tibbits (2016) *Forgive to Live: How Forgiveness Can Save Your Life* (10th Anniversary Edition), Florida Hospital Publishing.
42. Matthew 6:12.
43. To discover your own love language, and that of others, visit <www.5lovelanguages.com/profile/>.

Chapter 5
Feelings follow your focus

1. E L Garland, B Fredrickson, A M Kring, D P Johnson, P S Meyer and D L Penn (2010) “Upward spirals of positive emotions counter downward spirals of negativity: Insights from the broaden-and-build theory and affective neuroscience on the treatment of emotion dysfunctions and deficits in psychopathology,” *Clinical Psychology Review*, 30(7), pages 849–864.
2. E L Garland, B Fredrickson, A M Kring, D P Johnson, P S Meyer and D L Penn (2010) “Upward spirals of positive emotions counter downward spirals of negativity: Insights from the broaden-and-build theory and affective neuroscience on the treatment of emotion dysfunctions and deficits in psychopathology,” *Clinical Psychology Review*, 30(7), pages 849–864.
3. D Goleman (1995) *Emotional Intelligence: Why It Can Matter More Than IQ*, Bantam Books.
4. N Doidge (2010) *The Brain That Changes Itself*, Scribe.
5. E Klinger and W M Cox (1987) “Dimensions of thought flow in everyday life,” *Imagination, Cognition and Personality*, 7(2), pages 105–128.
6. L Jans-Beken, N Jacobs, M Janssens, S Peeters, J Reijnders, L Lechner and J Lataster (2020) “Gratitude and health: An updated review,” *The Journal of Positive Psychology*, 15(6), pages 743–782.
7. E L Garland, B Fredrickson, A M Kring, D P Johnson, P S Meyer and D L Penn (2010) “Upward spirals of positive emotions counter downward spirals of negativity: Insights from the broaden-and-build theory and affective neuroscience on the treatment of emotion dysfunctions and deficits in psychopathology,” *Clinical Psychology Review*, 30(7), pages 849–864.
8. M E P Seligman, T A Steen, N Park and C Peterson (2005) “Positive psychology progress: Empirical validation of interventions,” *American Psychologist*, 60(5), pages 410–421.
9. J J Froh, T B Kashdan, K M Ozimkowski and N Miller (2009) “Who benefits the most from a gratitude intervention in children and adolescents? Examining positive affect as a moderator,” *The Journal of Positive Psychology*, 4(5), pages 408–422; J J Froh, W J Sefick and R A Emmons (2008) “Counting blessings in early adolescents: An experimental study of gratitude and subjective well-being,” *Journal of School Psychology*, 46(2), pages 213–233; K M Sheldon and S Lyubomirsky (2006) “How to increase and sustain positive emotion: The effects of expressing gratitude and visualizing best possible selves,” *The Journal of Positive Psychology*, 1(2), pages 73–82; G Diniz, L Korkes, L S Tristão, R Pelegrini, P L Bellodi and W M Bernardo (2023) “The effects of gratitude interventions: A systematic review and meta-analysis,” *Einstein (São Paulo)*, 21, eRW0371.
10. M E P Seligman, T A Steen, N Park and C Peterson (2005) “Positive psychology progress: Empirical validation of interventions,” *American Psychologist*, 60(5), pages 410–421.
11. M E P Seligman, T A Steen, N Park and C Peterson (2005) “Positive psychology progress: Empirical validation of interventions,” *American Psychologist*, 60(5), pages 410–421.
12. C R Snyder and S J Lopez (editors) (2002) *Handbook of Positive Psychology*, Oxford University Press.
13. G M Alarcon, N A Bowling and S Khazon (2013) “Great expectations: A meta-analytic examination of optimism and hope,” *Personality and Individual Differences*, 54(7), pages 821–827.
14. V Frankl (1946) *Man’s Search for Meaning*, Beacon Press.
15. A M Wood, J Froh and A Geraghty (2010) “Gratitude and well-being: A review and theoretical integration,” *Clinical Psychology Review*, 30(7), pages 890–905.

Chapter 6
Food feeds your mood

1. S Anders, M Tanaka and D K Kinney (2013) “Depression as an evolutionary strategy for defense against infection,” *Brain, Behavior, and Immunity*, 31, pages 9–22.
2. S Anders, M Tanaka and D K Kinney (2013) “Depression as an evolutionary strategy for defense against infection,” *Brain, Behavior, and Immunity*, 31, pages 9–22.
3. M Pollan (2008) *In Defense of Food*, Penguin Press.
4. C A Monteiro, M L Louzada, E Steele-Martinez, G Cannon, G C Andrade, P Baker, M Bes-Rastrollo, M Bonaccio, A N Gearhardt, N Khandpur, M Kolby, R B Levy, P P Machado, J-C Moubarac, L F M Rezende, J A Rivera, G Scrinis, B Srour, B Swinburn and M Touvier (2025) “Ultra-processed foods and human health: The main thesis and the evidence,” *The Lancet*, 406(10520), pages 2667–2684.
5. D Morton, P Rankin, L Kent and W Dysinger (2014) “The Complete Health Improvement Program (CHIP),” *American Journal of Lifestyle Medicine*, 10(1), pages 64–73.
6. C L Thieszen, S G Aldana, M L Mahoney, D A Vermeersch, R M Merrill, H A Diehl, R L Greenlaw and H Englert (2011) “The Coronary Health Improvement Project (CHIP) for lowering weight and improving psychosocial health,” *Psychological Reports*, 109(1), pages 338–352.
7. R A H Adan, E M van der Beek, J K Buitelaar, J F Cryan, J Hebebrand, S Higgs, H Schellekens and S L Dickson (2019) “Nutritional psychiatry: Towards improving mental health by what you eat,” *European Neuropsychopharmacology*, 29(12), pages 1321–1332.
8. F N Jacka, A O’Neil, R Opie, C Itsiopoulos, S Cotton, M Mohebbi, D Castle, S Dash, C Mihalopoulos, M L Chatterton, L Brazionis, O M Dean, A M Hodge and M Berk (2017) “A randomised controlled trial of dietary improvement for adults with major depression (the ‘SMILES’ trial),” *BMC Medicine*, 15, article 23.
9. B Bizzozero-Peroni, V Díaz-Goñi, R Fernández-Rodríguez, V Martínez-Vizcaíno, E Jiménez-López, M E Visier-Alfonso, M Garrido-Miguel and A E Mesas (2025) “Plant-based diets and mental and neurocognitive health outcomes: A systematic review with meta-analysis,” *Nutrition Reviews*, 83(12), pages 2282–2295.
10. T S Conner, K L Brookie, A C Carr, L A Mainvil and M C Vissers (2017) “Let them eat fruit! The effect of fruit and vegetable consumption on psychological well-being in young adults: A randomized controlled trial,” *PLoS ONE*, 12(2), article e0171206.
11. T S Conner, K L Brookie, A C Richardson and M A Polak (2015) “On carrots and curiosity: Eating fruit and vegetables is associated with greater flourishing in daily life,” *British Journal of Health Psychology*, 20(2), pages 413–427.
12. P Druesne-Pecollo, N Latino-Martel, T Norat, E Barrandon, S Bertrais, P Galan and S Hercberg (2014) “Beta-carotene supplementation and cancer risk: A systematic review and meta-analysis of randomized controlled trials,” *International Journal of Cancer*, 127, pages 172–184.
13. Physicians Committee for Responsible Medicine (2009) “Food and Mood: Eating Plants to Fight the Blues,” Physicians Committee for Responsible Medicine, <https://www.pcrm.org/good-nutrition/food-and-mood>.
14. Heart Foundation (2024) “Fruit, vegetables and heart health,” <https://www.heartfoundation.org.au/healthy-living/healthy-eating/fruit-vegetables-and-heart-health>.
15. D G Blanchflower, A J Oswald and S L Stewart-Brown (2012) “Is psychological well-being linked to the consumption of fruit and vegetables?” Working Paper. Economics Department, University of Warwick, Coventry. Warwick economics research paper series (TWERPS), 2012(996), <http://wrap.warwick.ac.uk/53081>.
16. B A White, C C Horwath and T S Conner (2013) “Many apples a day keep the blues away: Daily experiences of negative and positive affect and food consumption among young adults,” *British Journal of Health Psychology*, 18, pages 782–798.
17. E M M Quigley (2013) “Gut bacteria in health and disease,” *Gastroenterology & Hepatology*, 9(9), pages 560–569.
18. K Hou, Z-X Wu, X-Y Chen, J-Q Wang, D Zhang, C Xiao, D Zhu, J B Koya, L Wei, J Li and Z-S Chen (2022) “Microbiota in health and diseases,” *Signal Transduction and Targeted Therapy*, 7, page 135.
19. S P Wiertsema, J van Bergenhenegouwen, J Garssen and L M J Knippels (2021) “The interplay between the gut microbiome and the immune system in the context of infectious diseases throughout life and the role of nutrition in optimizing treatment strategies,” *Nutrients*, 13(3), article 886.
20. Y Shen, N Fan, S Ma, X Cheng, X Yang and G Wang (2025) “Gut microbiota dysbiosis: Pathogenesis, diseases, prevention, and therapy,” *MedComm*, 6(5), article e70168.
21. B-N Liu, X-T Liu, Z-H Liang and J-H Wang (2021) “Gut microbiota in obesity,” *World Journal of Gastroenterology*, 27(25), pages 3837–3850.
22. P J Turnbaugh, R E Ley, M A Mahowald, V Magrini, E R Mardis and J I Gordon (2006) “An obesity-associated gut microbiome with increased capacity for energy harvest,” *Nature*, 444(7122), pages 1027–1031.

23. Z Chen, L Guo, Y Zhang, R L Walzem, J S Pendergast, R L Printz, L C Morris, E Matafonova, X Stien, L Kang, D Coulon, O P McGuinness, K D Niswender and S S Davies (2014) "Incorporation of therapeutically modified bacteria into gut microbiota inhibits obesity," *Journal of Clinical Investigation*, 124(8), pages 3391–3406.
24. A Hadhazy (2010) "Think twice: How the gut's 'second brain' influences mood and well-being," *Scientific American*, <https://www.scientificamerican.com/article/gut-second-brain/>.
25. D V Bohórquez and R A Liddle (2015) "The gut connectome: Making sense of what you eat," *Journal of Clinical Investigation*, 125(3), pages 888–890.
26. P Holzer (2022) "Gut signals and gut feelings: Science at the interface of data and beliefs," *Frontiers in Behavioral Neuroscience*, 16, page 929332.
27. H L Dupont, Z D Jiang, A W Dupont and N S Utay (2020) "The intestinal microbiome in human health and disease," *Transactions of the American Clinical and Climatological Association*, 131, pages 178–197.
28. A M Martin, R L Young, L Leong, G B Rogers, N J Spencer, C F Jessup and D J Keating (2017) "The diverse metabolic roles of peripheral serotonin," *Endocrinology*, 158(5), pages 1049–1063.
29. A Bektaş, H Erdal, M Ulusoy and I T Uzbay (2020) "Does serotonin in the intestines make you happy?" *Turkish Journal of Gastroenterology*, 31(10), pages 721–723.
30. M Valles-Colomer, G Falony, Y Darzi, E F Tigchelaar, J Wang, R Y Tito, C Schiweck, A Kurilshikov, M Joossens, C Wijmenga, S Claes, L Van Oudenhove, A Zhernakova, S Vieira-Silva and J Raes (2019) "The neuroactive potential of the human gut microbiota in quality of life and depression," *Nature Microbiology*, 4(4), pages 623–632.
31. United States Department of Agriculture (2020) *Dietary Guidelines for Americans 2020–2025*, USDA, <https://www.dietaryguidelines.gov/sites/default/files/2020-12/Dietary_Guidelines_for_Americans_2020-2025.pdf>.
32. P R Shewry, E J M Joy, L S De La Revilla, A Hansen, J Brennan and A Lovegrove (2023) "Increasing fibre in white flour and bread: Implications for health and processing," *Nutrition Bulletin*, 48(4), pages 587–593.
33. E Rosenberg (2024) "Diversity of bacteria within the human gut and its contribution to the functional unity of holobionts," *npj Biofilms and Microbiomes*, 10, article 134.
34. F A Larsen and E Claassen (2018) "The mechanistic link between health and gut microbiota diversity," *Scientific Reports*, 8(1), article 2183.
35. X Shen, C Tilves, H Kim, T Tanaka, A P Spira, C W Chia, S A Talegawkar, L Ferrucci and N T Mueller (2024) "Plant-based diets and the gut microbiome: Findings from the Baltimore Longitudinal Study of Aging," *American Journal of Clinical Nutrition*, 119(3), pages 628–638.
36. A C Creedon, H Bernard, F Amati, N Segata, M Wallace, A Arrè, H A Smith, A Platts, W J Bulsiewicz, K M Bermingham, J C Pujol, E Piperni, A R Ledo, C Johnson, C Caro, N Karimjee, I Linenberg, F Giordano, R Davies and J Wolf (2024) "A diverse high-fibre plant-based dietary intervention improves gut microbiome composition, gut symptoms, energy and hunger in healthy adults: A randomised controlled trial," *medRxiv*, <https://doi.org/10.1101/2024.07.02.24309816>.
37. N A Masento, M Golightly, D T Field, L T Butler and C M van Reekum (2014) "Effects of hydration status on cognitive performance and mood," *British Journal of Nutrition*, 111(10), pages 1841–1852.
38. S Radd (2016) *Food as Medicine: Cooking for Your Best Health*, Signs Publishing.

Chapter 7
Rest to feel your best

1. L J Burke (1999) *Imperfect Parenting: How to Build a Relationship With Your Child to Weather Any Storm*, Wildcat Press.
2. Snüz (2024) "The truth about sleep: Snuz sleep survey results," <https://www.snuz.co.uk/blogs/sleep-talk/the-truth-about-sleep-snuz-sleep-survey-results>.
3. R Foster (2013) "Why do we sleep?" *TED Talks*, <https://www.ted.com/talks/russell_foster_why_do_we_sleep>.
4. C Tabernero (2000) "Fatal familial insomnia: Clinical, neuropathological, and genetic description of a Spanish family," *Journal of Neurology, Neurosurgery and Psychiatry*, 68(6), pages 774–777.
5. A M Williamson and A-M Feyer (2000) "Moderate sleep deprivation produces impairments in cognitive and motor performance equivalent to legally prescribed levels of alcohol intoxication," *Occupational and Environmental Medicine*, 57(10), pages 649–655.
6. J Ferguson (n.d.) "Asleep Behind the Wheel," <https://www.vdh.virginia.gov/content/uploads/sites/23/2016/05/HEA-1007.pdf>.
7. H P A Van Dongen, G Maislin, J M Mullington and D F Dinges (2003) "The cumulative cost of additional wakefulness: Dose-response effects on neurobehavioral functions and sleep physiology from chronic sleep restriction and total sleep deprivation," *Sleep*, 26(2), pages 117–126.

8. M A Miller (2023) “Time for bed: Diet, sleep, and obesity in children and adults,” *Proceedings of the Nutrition Society*, 84(1), pages 45–52.
9. S Taheri, L Lin, D Austin, T Young and E Mignot (2004) “Short sleep duration is associated with reduced leptin, elevated ghrelin, and increased body mass index,” *PLoS Medicine*, 1(3), article e62.
10. E Van Cauter and K L Knutson (2008) “Sleep and the epidemic of obesity in children and adults,” *European Journal of Endocrinology*, 159(S1), pages S59–S66.
11. M A Tucker, S X Tang, A Uzoh, A Morgan and R Stickgold (2011) “To sleep, to strive, or both: How best to optimize memory,” *PLoS ONE*, 6(7), article e21737.
12. P Meerlo, R E Mistlberger, B L Jacobs, H C Heller and D McGinty (2009) “New neurons in the adult brain: The role of sleep and consequences of sleep loss,” *Sleep Medicine Reviews*, 13(3), pages 187–194.
13. M G Rico-Rosillo and G B Vega-Robledo (2018) “Sleep and immune system,” *Revista Alergia Mexico*, 65(2), pages 160–170.
14. L Besedovsky, T Lange and J Born (2011) “Sleep and immune function,” *Pflügers Archiv: European Journal of Physiology*, 463(1), pages 121–137.
15. M Han, S Yuan and J Zhang (2022) “The interplay between sleep and gut microbiota,” *Brain Research Bulletin*, 180, pages 131–146.
16. M A Grandner (2022) “Sleep, health, and society,” *Sleep Medicine Clinics*, 17(2), pages 117–139.
17. C Benedict, S J Brooks, O G O’Daly, M S Almèn, A Morell, K Åberg, M Gingnell, B Schultes, M Hallschmid, J-E Broman, E-M Larsson and H B Schiöth (2012) “Acute sleep deprivation enhances the brain’s response to hedonic food stimuli: An fMRI study,” *Journal of Clinical Endocrinology and Metabolism*, 97(3), pages E443–E447.
18. J-P Chaput, A W McHill, R C Cox, J L Broussard, C Dutil, B G G da Costa, H Sampasa-Kanyinga and K P Wright Jr (2023) “The role of insufficient sleep and circadian misalignment in obesity,” *Nature Reviews Endocrinology*, 19, pages 82–97.
19. C Palmer, J Bower, K Cho, M Clementi, S Lau, B Oosterhoff and C Alfano (2024) “Sleep loss and emotion: A systematic review and meta-analysis of over fifty years of experimental research,” *Sleep*, 47(Supplement 1), pages A79–A79.
20. S-S Yoo, N Gujar, P Hu, F A Jolesz and M P Walker (2007) “The human emotional brain without sleep: A prefrontal amygdala disconnect,” *Current Biology*, 17(20), pages R877–R878.
21. R Stickgold (2015) “Sleep on it!” *New Scientist*, 313(4), pages 52–57.
22. Centers for Disease Control and Prevention (2024) “About sleep,” <https://www.cdc.gov/sleep/about/>.
23. Centers for Disease Control and Prevention (2024) “FastStats: Sleep in adults,” <https://www.cdc.gov/sleep/data-research/facts-stats/adults-sleep-facts-and-stats.html>.
24. Centers for Disease Control and Prevention (2024) “FastStats: Sleep in high school students,” <https://www.cdc.gov/sleep/data-research/facts-stats/high-school-students-sleep-facts-and-stats.html>.
25. C Reuben, N Elgaddal and L I Black (2023) “Sleep medication use in adults aged 18 and over: United States, 2020,” NCHS Data Brief No. 462, Centers for Disease Control and Prevention, <https://www.cdc.gov/nchs/products/databriefs/db462.htm#Key_finding>.
26. C C M Kyba, T Kuester, A Sánchez de Miguel, K Baugh, A Jechow, F Hölker, J Bennie, C D Elvidge, K J Gaston and L Guanter (2017) “Artificially lit surface of Earth at night increasing in radiance and extent,” *Science Advances*, 3(11), article e1701528.
27. L E van Esseveldt, M N Lehman and G J Boer (2000) “The suprachiasmatic nucleus and the circadian time-keeping system revisited,” *Brain Research Reviews*, 33(1), pages 34–77.
28. R Foster (2021) “Fundamentals of circadian entrainment by light,” *Lighting Research and Technology*, 53(5), pages 377–393.
29. M Bauer, T Glenn, S Monteith, J F Gottlieb, P S Ritter, J Geddes and P C Whybrow (2018) “The potential influence of LED lighting on mental illness,” *World Journal of Biological Psychiatry*, 19(1), pages 59–73.
30. E R Stothard, A W McHill, C M Depner, B R Birks, T M Moehlman, H K Ritchie, J R Guzzetti, E D Chinoy, M K LeBourgeois, J Axelsson and K P Wright (2017) “Circadian entrainment to the natural light-dark cycle across seasons and the weekend,” *Current Biology*, 27(4), pages 508–513.
31. Y M Park, A J White, C L Jackson, C R Weinberg and D P Sandler (2019) “Association of exposure to artificial light at night while sleeping with risk of obesity in women,” *JAMA Internal Medicine*, 179(8), pages 1061–1071.
32. J-H Baek, Y Zhu, C L Jackson and Y-M M Park (2024) “Artificial light at night and type 2 diabetes mellitus,” *Diabetes and Metabolism Journal*, 48(5), pages 847–863.
33. Y Cho, S H Ryu, B R Lee, K H Kim, E Lee and J Choi (2015) “Effects of artificial light at night on human health: A literature review of observational and experimental studies applied to exposure assessment,” *Chronobiology International*, 32(9), pages 1294–1310.
34. T A Bedrosian and R J Nelson (2013) “Influence of the modern light environment on mood,” *Molecular Psychiatry*, 18, pages 751–757.
35. C F Reichert, T Deboer and H Landolt (2022) “Adenosine, caffeine, and sleep–wake regulation: State of the science and perspectives,” *Journal of Sleep Research*, 31(4), article e13597.

36. M A Alnawwar, M I Alraddadi, R A Algethmi, G A Salem, M A Salem and A A Alharbi (2023) "The effect of physical activity on sleep quality and sleep disorder: A systematic review," *Cureus*, 15(8), article e43595.
37. E Frimpong, M Mograss, T Zvionow and T T Dang-Vu (2021) "The effects of evening high-intensity exercise on sleep in healthy adults: A systematic review and meta-analysis," *Sleep Medicine Reviews,* 60, article 101535.
38. J Paprocki (2013) "Sleep and caffeine," *Sleep Education*, <https://sleepeducation.org/sleep-caffeine/>.
39. C F Reichert, T Deboer and H Landolt (2022) "Adenosine, caffeine, and sleep–wake regulation: State of the science and perspectives," *Journal of Sleep Research*, 31(4), article e13597.
40. J Paprocki (2013) "Sleep and caffeine," *Sleep Education*, <https://sleepeducation.org/sleep-caffeine/>.
41. C Gardiner, J Weakley, L M Burke, G D Roach, C Sargent, N Maniar, A Townshend and S L Halson (2023) "The effect of caffeine on subsequent sleep: A systematic review and meta-analysis," *Sleep Medicine Reviews*, 69, article 101764.
42. W C Dement and C Vaughan (1999) *The Promise of Sleep: A Pioneer in Sleep Medicine Explores the Vital Connection Between Health, Happiness, and a Good Night's Sleep*, Dell Trade Paperbacks, page 2.
43. National Heart, Lung, and Blood Institute (n.d.) "Sleep Health," <https://www.nhlbi.nih.gov/health-topics/education-and-awareness/sleep-health>.
44. I O Ebrahim, C M Shapiro, A J Williams and P B Fenwick (2013) "Alcohol and sleep I: Effects on normal sleep," *Alcoholism: Clinical and Experimental Research*, 37, pages 539–549.
45. Mayo Clinic Staff (2022) "How to get a great nap," Mayo Clinic, <https://www.mayoclinic.org/healthy-lifestyle/adult-health/in-depth/napping/art-20048319>.

Chapter 8
Stress less

1. S Y Tan and A Yip (2018) "Hans Selye (1907–1982): Founder of the stress theory," *Singapore Medical Journal*, 59(4), pages 170–171.
2. American Psychological Association (2020) *Stress in America 2020: A National Mental Health Crisis*, <https://www.apa.org/news/press/releases/stress/2020/sia-mental-health-crisis.pdf>.
3. A Keller, K Litzelman, L E Wisk, T Maddox, E R Cheng, P D Creswell and W P Witt (2012) "Does the perception that stress affects health matter? The association with health and mortality," *Health Psychology*, 31(5), pages 677–684.
4. K McGonigal (2013) "How to make stress your friend," *TED Talks*, <https://www.ted.com/talks/kelly_mcgonigal_how_to_make_stress_your_friend>.
5. A O de Berker, R B Rutledge, C Mathys, L Marshall, G F Cross, R J Dolan and S Bestmann (2016) "Computations of uncertainty mediate acute stress responses in humans," *Nature Communications*, 7(1), article 10996.
6. K McGonigal (2015) *The Upside of Stress: Why Stress is Good For You, and How to Get Good At It*, Avery.
7. R M Yerkes and J D Dodson (1908) "The relation of strength of stimulus to rapidity of habit-formation," *Journal of Comparative Neurology and Psychology*, 18(5), 459–482.
8. K Neirinckx, D Morton, W Herman and J Hinze (2015) "Don't stress me out! Anxiety, information processing and learning," *TEACH Journal of Christian Education*, 9(2), 42–50.
9. R M Sapolsky (2004) *Why Zebras Don't Get Ulcers*, Henry Holt and Company.
10. E Kross, E Bruehlman-Senecal, J Park, A Burson, A Dougherty, H Shablack, R Bremner, J Moser and O Ayduk (2014) "Self-talk as a regulatory mechanism: How you do it matters," *Journal of Personality and Social Psychology*, 106(2), pages 304–324.
11. M Hamer, A Taylor and A Steptoe (2006) "The effect of acute aerobic exercise on stress-related blood pressure responses: A systematic review and meta-analysis," *Biological Psychology*, 71(2), pages 183–190.
12. M Twain (2010) *Autobiography of Mark Twain*, Vol 1, H E Smith (editor), University of California Press.
13. L S LaFreniere and M G Newman (2020) "Exposing worry's deceit: Percentage of untrue worries in generalized anxiety disorder treatment," *Behavior Therapy*, 51(3), pages 413–423.
14. J van Agteren, M Iasiello, L Lo, J Bartholomaeus, Z Kopsaftis, M Carey and M Kyrios (2021) "A systematic review and meta-analysis of psychological interventions to improve mental wellbeing," *Nature Human Behaviour*, 5(5), pages 631–652.
15. D Querstret, L Morison, S Dickinson, M Cropley and M John (2020) "Mindfulness-based stress reduction and mindfulness-based cognitive therapy for psychological health and well-being in nonclinical samples: A systematic review and meta-analysis," *International Journal of Stress Management*, 27(4), pages 394–411.
16. T A Russell and S M Arcuri (2015) "A neurophysiological and neuropsychological consideration of mindful movement: Clinical and research implications," *Frontiers in Human Neuroscience*, 9, article 282.
17. D Clark, F Schumann and S H Mostofsky (2015) "Mindful movement and skilled attention," *Frontiers in Human Neuroscience*, 9, article 297.

18. B M Way, J D Creswell, N I Eisenberger and M D Lieberman (2010) "Dispositional mindfulness and depressive symptomatology: Correlations with limbic and self-referential neural activity during rest," *Emotion*, 10(1), pages 12–24.
19. S Scott (2015) "Why we laugh," *TED Talks*, <https://www.ted.com/talks/sophie_scott_why_we_laugh>.
20. C K Kramer and C B Leitao (2023) "Laughter as medicine: A systematic review and meta-analysis of interventional studies evaluating the impact of spontaneous laughter on cortisol levels," *PLoS ONE*, 18(5), article e0286260.
21. S K Scott, N Lavan, S Chen and C McGettigan (2014) "The social life of laughter," *Trends in Cognitive Sciences*, 18(12), pages 618–620.
22. K Baban and D Morton (2022) "Lifestyle medicine and stress management," *Journal of Family Practice*, 71(Suppl 1 Lifestyle), S24–S29.
23. C Hamburger (1954) "Test pilots of space medicine and biology. The 15-year record of an adult man," *Acta Endocrinologica*.
24. J W Ayers, B M Althouse, M Johnson, M Dredze and J E Cohen (2014) "What's the healthiest day?" *American Journal of Preventive Medicine*, 47(1), pages 73–76.
25. J Anson and O Anson (2001) "Death rests a while: Holy day and Sabbath effects on Jewish mortality in Israel," *Social Science and Medicine*, 52(1), pages 83–97.
26. D J Superville, K I Pargament and J W Lee (2014) "Sabbath keeping and its relationships to health and well-being: A mediational analysis," *International Journal for the Psychology of Religion*, 24(3), pages 241–256.
27. J W Ayers, B M Althouse, M Johnson, M Dredze and J E Cohen (2014) "What's the healthiest day?" *American Journal of Preventive Medicine*, 47(1), pages 73–76.
28. Australian Psychological Society (2015) "Stress and wellbeing: How Australians are coping with life," <www.psychology.org.au/psychologyweek/survey/>.
29. C Hamilton and R Denniss (2006) *Affluenza: When Too Much Is Never Enough*, Allen & Unwin.

Chapter 9
Giving is living

1. E Fehr and S Renninger (2004), "The Samaritan Paradox: If we live in a dog-eat-dog world, then why are we frequently so good to each other?" *Scientific American Mind*, 14(5), pages 15–21.
2. B Nichol, R Wilson, A Rodrigues and C Haighton (2023) "Exploring the effects of volunteering on the social, mental, and physical health and well-being of volunteers: An umbrella review," *VOLUNTAS: International Journal of Voluntary and Nonprofit Organizations*, 35(1), pages 97–128.
3. F Borgonovi (2008) "Doing well by doing good: The relationship between formal volunteering and self-reported health and happiness," *Social Science and Medicine*, 66(11), pages 2321–2334.
4. K M Sheldon and L S Krieger (2014) "Service job lawyers are happier than money job lawyers, despite their lower income," *Journal of Positive Psychology*, 9(3), pages 219–226.
5. J Taylor and R Taylor (2010) "Working hard for more money or working hard to make a difference? Efficiency wages, public service motivation, and effort," *Review of Public Personnel Administration*, 31(1), pages 67–86.
6. E W Dunn, L B Aknin and M I Norton (2008) "Spending money on others promotes happiness," *Science*, 319(5870), pages 1687–1688.
7. B L Fredrickson, K M Grewen, K A Coffey, S B Algoe, A M Firestine, J M G Arevalo, J Ma and S W Cole (2013) "A functional genomic perspective on human well-being," *Proceedings of the National Academy of Sciences of the United States of America*, 110(33), pages 13684–13689.
8. S K Nelson-Coffey, M M Fritz, S Lyubomirsky and S W Cole (2017) "Kindness in the blood: A randomized controlled trial of the gene regulatory impact of prosocial behavior," *Psychoneuroendocrinology*, 81, pages 8–13.
9. Y Wang, J Ge, H Zhang, H Wang and X Xie (2019) "Altruistic behaviors relieve physical pain," *Proceedings of the National Academy of Sciences of the United States of America*, 117(2), pages 950–958.
10. W Styron (1992) *Darkness Visible: A Memoir of Madness*, Vintage, page 47.
11 .A A Marsh, S A Stoycos, K M Brethel-Haurwitz, P Robinson, J W VanMeter and E M Cardinale (2014) "Neural and cognitive characteristics of extraordinary altruists," *Proceedings of the National Academy of Sciences of the United States of America*, 111(42), pages 15036–15041.
12. M E P Seligman (2011) *Flourish: A Visionary New Understanding of Happiness and Well-being*, Atria Books.
13. Galatians 6:4, 5, from *The Message*.
14. J B Peterson (2019) *12 Rules for Life: An Antidote to Chaos,* Penguin.
15. H Thurman with V Harding, M B Beckwith and A Walker (2010) *The Living Wisdom of Howard Thurman: A Visionary for Our Time*, Sounds True [audiobook].
16. R T Proyer, S Wellenzohn, F Gander and W Ruch (2015) "What makes positive interventions work," *Applied Psychology: Health and Well-Being*, 7(1), pages 108–128.

17. T Blanchard, T Kerbeykian and R E McGrath (2019) “Why are signature strengths and well-being related? Tests of multiple hypotheses,” *Journal of Happiness Studies,* 21(6), pages 2095–2114.
18. M E P Seligman, T A Steen, N Park and C Peterson (2005) “Positive psychology progress: Empirical validation of interventions,” *American Psychologist*, 60(5), pages 410–421.
19. D Viscott (1993) *Finding Your Strength in Difficult Times: A Book of Meditations*, Contemporary Books.
20. A Grant (2017) “Are you a giver or a taker?” TED Talks, <https://www.ted.com/talks/adam_grant_are_you_a_giver_or_a_taker>.
21. M E P Seligman (2002) *Authentic Happiness: Using the New Positive Psychology to Realize Your Potential for Lasting Fulfillment*, Free Press.

Chapter 10
What does it take to flourish?

1. M E P Seligman (2002) *Authentic Happiness: Using the New Positive Psychology to Realize Your Potential for Lasting Fulfillment*, Free Press.
2. M Seligman and M Csikszentmihalyi (2000) “Positive psychology: An introduction,” *American Psychologist*, 55(1), pages 5–14.
3. M E P Seligman (2011) *Flourish: A Visionary New Understanding of Happiness and Well-being*, Atria Books.
4. M E P Seligman (2011) *Flourish: A Visionary New Understanding of Happiness and Well-being*, Atria Books.
5. M Joshanloo (2021) “There is no temporal relationship between hedonic values and life satisfaction: A longitudinal study spanning 13 years,” *Journal of Research in Personality*, 93, article 104125.
6. E Diener and R Biswas-Diener (2008) *Happiness: Unlocking the Mysteries of Psychological Wealth*, Wiley-Blackwell; M E P Seligman (2011) *Flourish: A Visionary New Understanding of Happiness and Well-being*, Atria Books.
7. M Csikszentmihalyi (2013) *Flow: The Psychology of Happiness*, Ebury Digital.
8. Gallup (2026) *State of the Global Workplace Report*, https://www.gallup.com/workplace/349484/state-of-the-global-workplace.aspx
9. M J C Forgeard, E Jayawickreme, M Kern and M E P Seligman (2011) “Doing the right thing: Measuring wellbeing for public policy,” *International Journal of Wellbeing,* 1(1), pages 79–106.
10. B Bastian (2019) *The Other Side of Happiness: Embracing a More Fearless Approach to Living*, Penguin.
11. T Roosevelt (1910) “Address at the Sorbonne in Paris, France, April 23, 1910: ‘Citizenship in a Republic’,” The American Presidency Project, https://www.presidency.ucsb.edu/documents/address-the-sorbonne-paris-france-citizenship-republic
12. E Ries (2011) *The Lean Startup*, Crown Currency.
13. H T Reis and S L Gable (2003) “Toward a positive psychology of relationships,” in C L M Keyes and J Haidt (eds), *Flourishing: Positive Psychology and the Life Well-Lived*, pages 129–159, American Psychological Association.
14. M E P Seligman (2002) *Authentic Happiness: Using the New Positive Psychology to Realize Your Potential for Lasting Fulfillment*, Free Press.
15. M E P Seligman (2011) *Flourish: A Visionary New Understanding of Happiness and Well-being*, Atria Books.
16. E E Smith (2017) *The Power of Meaning: The True Route to Happiness*, Ebury Digital.
17. A Alimujiang, A Wiensch, J Boss, A Fleischer, D Mondul, K McLean, M Mukherjee, S Bumpass, M Parsons, A Kato, D Yabroff, J Kullgren and C Mroz (2019) “Association between life purpose and mortality among US adults older than 50 years,” *JAMA Network Open*, 2(5), article e194270.
18. P A Boyle, L L Barnes, A S Buchman and D A Bennett (2009) “Purpose in life is associated with mortality among community-dwelling older persons,” *Psychosomatic Medicine*, 71(5), pages 574–579.
19. G Zaharias (2018) “What is narrative-based medicine? Narrative-based medicine 1,” *Canadian Family Physician*, 64(3), pages 176–180.
20. E E Smith (2017) *The Power of Meaning: The True Route to Happiness*, Ebury Digital.