

# Index

- Accountability, 65
- AI. *See* Artificial intelligence (AI)
- Algorithms, 81–82
- Alpha House*, 200
- Alston, Macky, 34–35, 146, 184–185
- Amabile, Teresa, 60–61, 66
- Amazon, 200
- Aquinas, St. Thomas, 3
- Arieff, Alison, 226
- Aristotle, 3
- Artificial brain, 101
- Artificial intelligence (AI), 204
- Autonomous vehicles, 204
  
- “Bannister Effect”, 108, 109
- Bartlet, Josiah, 199
- Behaviors, 81, 111
  - individual, 165
  - shifting, 117
  - words influence, 95–99
- Big data, 16
- Biotechnology, 205
- Bloch, Maurice, 145
- Bock, Laszlo, 60, 152
  
- Boston Consulting Group, 65
- Brain
  - activity, 94
  - imagination of human brain, 166
- Brainstorming rule, 219
- Breaking pattern, 169
- Brier, Noah, 75, 79, 169, 187
- Brin, Sergey, 59
- British Intelligence Service, 180
- Bronowski, Jacob, 5–6
- Bronson, Po, 89
- Buckner, Bill, 175
- Buckup, Sebastian, 110–112
- Buffett, Warren, 154
- Bush, George W., 48
  
- Centers for Disease Control and Prevention (CDC), 202
- Centrifugal force, 181
- Centrifugal workforce, 181–184
- Chernow, Ron, 58
- Churchill, Winston, 179
- Clinton, Bill, 180
- Cloud Appreciation Society, 40

- Cognitive ability, 152  
 Cognitive bias, 148  
 Cognitive development, 210  
 Cognitive dissonance, 120  
 Comedy, 40, 171, 173  
 Complexity, 113, 148, 204, 208, 209  
*“Computing machinery and intelligence”*, 167  
*“Confidence”*, 57, 147–148, 154  
 Cosmopolitan, 227–228  
 Creativity, 2, 8, 82, 107, 166, 174, 207  
   creative person, 147  
   cult-like thinking, 77  
   to encourage and support innovation, 138  
   precursor to, 55  
 CTO. *See* U.S. Chief Technology Officer (CTO)  
 Culture, 56, 223–224  
   company, 60  
   cultural impoverishment, 53  
   of imagination, 82–84  
   of jazz, 24, 25  
 Cybernetics, 13  
 Data, 197  
   exhaust, 197  
   without imagination, 201–204  
   imagination fueled by data, and vice versa, 198–201  
 Decision-making, 125, 130, 133, 180  
   active imagination, 138  
   challenges, 141  
   culture, 138  
   curiosity, 130–133  
   disaster preparedness, 128  
   doing hard things, 134  
   feeding imagination, 140  
   good intentions leading to bad decisions, 129–130  
   innovation, 134–135  
   knowledge gathering, 135  
   multiplicity of scenarios, 127  
   one-to-many communications, 128  
   safe spaces, 138–139  
   seek out and inviting participants, 137  
   technology, 126  
   uncomfortable ideas, 139  
 DeGraff, Jeff, 68, 79, 80, 84  
 Descartes, Rene, 3  
*“Diffuse mode”*, 170  
 Digital age, 47  
 Directiveness, 209  
 Disruptive innovation, logic of, 16  
 Downtown Project, 166  
 Dropel Fabrics, 104  
 Education, 38, 205  
 eeBoo, 106  
 Einstein, Albert  
   about imagination, 48  
   theory of relativity, 31  
 Eisenhower, Dwight, 181  
 Emotional balance factor, 208

- Employment, 38
- Expectation, imagination and, 143
- challenge, 154–155
  - changing jobs, 152–155
  - Jew-ish, 143–146
  - move fast—change everything, 149–151
  - not asking best questions, 147–149
  - solving problems, 151–152
- Experimentation, science without, 30–32
- Expertise, 85–86
- Failure, 215–218
- challenges, 220
  - value of bad ideas, 218–219
- Faith, 6, 50, 145, 177
- connections with imagination, 146
  - in imagination, 34–36
  - “Father of brainstorming”. *See* Osborn, Alex
- Fear, 3, 17, 62, 205
- of imagination, 146
  - overcoming, 192
- Feinstein, Bradley, 64, 104–105, 185
- “Feminine” traits, 189
- Fincher, David, 200
- Fishman, Mark, 66
- “Flow mode” approach, 150, 151
- “Focused mode”, 170
- Four Factor Imagination Theory (4FIT), 208
- cognitive development, 210
  - imagination-related behaviors, 211
  - self-report measures and performance measures, 208
- 4FIT. *See* Four Factor Imagination Theory (4FIT)
- “Four-minute barrier”, 108
- Fourth Industrial Revolution, The, 204–205
- Frankl, Viktor, 9
- Franklin, Ben, 155
- “Frantic mode” approach, 150, 151
- Frequency factor, 209
- Freud and Klimt, 161
- F-Word. *See* Failure
- Gates, Bill, 57
- Genius, 160–163
- Geography of Bliss, The*, 157, 160
- Geography of Genius, The*, 160–161
- GFT, 203
- Gioia, Dana, 52–55
- Global economy, 204
- Google, 59–60, 152–153, 202
- algorithm, 202–203
  - Google Flu Tracker, 202
  - Google Flu Trends, 202
  - Google Glass, 101
  - Google X, 101
  - innovation experts and advocates in, 60
  - treating employees, 61

- Grade point average (GPA), 46  
 Greenbaum, Harrison, 171  
 Grownups, 17, 35–36  
 Gump, Michael, 67
- Hamilton*, 57–58  
 Happiness, 158, 160, 162, 166,  
 210  
 Happiness Manifesto, 158–159  
 Hargreaves, James, 13  
 Harvard Business Review,  
 189–190  
 Hashtags, 216  
 “Head” in jazz music, 24  
 Hill, Harold, 29, 30  
*House of Cards*, 199, 201  
 Hsieh, Tony, 166  
 Human brain, imagination of,  
 166  
 Humans  
   human brain, imagination of,  
   166  
   human nature, 205  
   and imagination, 4–7  
 Hume, David, 161  
 Hypothetical certainty, 79
- Imagination, 1–2, 41, 55, 78,  
 85, 95, 116, 130, 140,  
 179, 197, 204–205, 215,  
 221  
   ability, 41–42  
   application of, 198  
   applying in individual level,  
   44  
   applying in organizations,  
   65–67  
   applying to closing  
     imagination Gap,  
     78–80  
   challenges, 18, 36–38, 40, 69,  
   175, 235–236  
   culture of, 82–84  
   curing cancer, 229–230  
   and daily routine, 67–69  
   data without imagination,  
   201–204  
   decision-making and, 125  
     active imagination, 138  
     culture, 138–139  
     curiosity, 131  
     disaster preparedness, 129  
     doing hard things, 134  
     feeding imagination, 140  
     global community, 131  
     good intentions leading to  
       bad decisions,  
       129–130  
     innovation, 134  
     knowledge gathering, 135  
     learning systems, 133  
     multiplicity of scenarios,  
     127–128  
     new information, 131–132  
     one-to-many  
       communications, 128  
     safe spaces, 139–140  
     seek out and inviting  
       participants, 137  
     technology, 126  
     uncomfortable ideas, 138  
   drawing on right minds,  
   59–61  
   economy, 50

and experience, 9–10  
 failures, 48–52  
 faith in, 34–36  
 formulas and models, 223  
 fueled by data, and vice versa, 198–201  
 and future, 221–222  
 history, 2–4  
 of human ancestors, 45  
 and humans, 4–7  
 importance, 12–14  
 incremental change, 8  
 innovation *vs.*, 11–12, 222, 225  
 innovative companies, 226–227  
 knowing and, 45–48, 52–55  
 knowledge and systems, 61–63  
 lack of, 16–19  
 language and, 95  
     Feinstein, Bradley, 104–105  
     mental blocks, 108–112  
     moonshots speech, 99–103  
     overcoming resistance, 116  
     pre-visualization, 112–116  
     rational actors theory, 119–121  
     self-identify, 104–105  
     shifting behaviors, 117  
     social change, 118–119  
     words, 95–99, 119  
     writing story, 105–108  
 learning skills, unlocking potential, 63–65  
 limitations, 45, 163–166  
 on map, 157–163  
 measuring, 205–207  
 measuring imagination, 205–207  
 media, 224  
 MIT Entrepreneurship Review, 227–228  
 playing game, 234–235  
 product of, 86  
 qualifying factor as big idea, 225  
 questions about, 231–234  
 reality-based, 43  
 reality-directed, 44  
 slow and steady, 55–58  
 and structures  
     least funny comedian of all time, 171–174  
     reprogramming operating system, 166–168  
 Trader Joe’s Company, 228–229  
 “Unexotic Underclass”, 227  
 unexpected change, 169–170  
 Imagination Age, 14–16  
 Imagination gap, 8, 18, 22, 38–39, 42, 163, 184, 221  
 closing, 73  
     applying imagination, 78–80  
     asking questions, 89–90  
     being deviant, 84–86  
     challenges, 91  
     innovation, 74–76  
     real and spectacular, 76–78  
     requirements, 73

- seeing around corner, 80–82
- Thoughtless Acts*, 86–89
- imagine everything, 32–34
- scaffolding, 22–25
- science without
  - experimentation, 30–32
- Sheet Music, 25–29
- Think Method, 29–30
- Imagination Institute, 207
- Imagination Quotient scale (ImQ scale), 207
- In-person conversations, 18
- Incremental change, 7
- Inevitable, failure, 218–219
- Inevitable part, 217
- Information, 22
- Information age, 13–14
- Ingenuity, 55
- Innovations, 8, 74–76, 78, 83, 134, 135, 205, 222, 225
  - cult-like thinking, 77
  - experts and advocates in Google, 60
  - imagination *vs.*, 11–12
  - precursor to, 55
  - risk with, 86
- Intelligence, 186, 201
- Internet, 7, 8, 10, 13, 16, 47, 125, 131, 223
- Internet of Things (IoT), 204
- Jargon monoxide, 74
- Jazz music, 23–25, 30
- Jew-ish, 143–146
- Kant, Immanuel, 3, 161
- Karolinska Institutet in Sweden, 9
- Kauffman, Scott Barry, 150, 207
- Kay, Aaron, 189
- Kennedy, US President, 80, 100
- Khaire, Mukti, 60, 61, 66
- King, Rita J., 14, 16, 62, 63, 80, 84, 179
- Klain, Ron, 127
- Knowing and imagination, 52–55
- Knowledge, 5, 14, 41, 46–47, 51, 61–63, 139, 198
  - explicit, 132
  - role in closing imagination gap, 136
- Koch, Jim, 57
- Kodak, 66
- Koval, Christy, 189
- Land, George, 16
- Language, 95
  - challenges, 121–122
  - Feinstein, Bradley, 104–105
  - mental blocks, 108–112
  - moonshots speech, 99–103
  - overcoming resistance, 116
  - pre-visualization, 112–116
  - rational actors theory, 119–121
  - self-identify, 104
  - shifting behaviors, 118
  - social change, 118–119
  - words
    - and images, 119

- influence behaviors, 95–99
- writing story, 105–108
- See also* Imagination
- Le Guin, Ursula, 45
- LeaderShape, 102
- Leadership, 41, 55, 57, 66, 86, 135
  - business and civic leaders, 42
  - responsibility, 56
- Learning skills, 63–65
- LEGO bricks, 193
- Lehrer, Jonah, 32
- Lepore, Jill, 16
- Lincoln, Abraham, 179
- LinkedIn, 153
- Linkner, Josh, 23, 25, 85, 174
- Littlewoods.com, 89
- Locke, John, 47
- Logic, 4
  - of disruptive innovation, 16
- Logistics, 216
- Love-based approach, 146
- Luria, Isaac, 145, 234
  
- Magee, Charlie, 14
- Making Slough Happy
  - experiment, 159
- “Masculine” traits, 189
- Massachusetts Institute of Technology (MIT), 13
- Mathematics, 4
- McGraw, Peter, 173, 186, 193, 194
- McKelvey, Daren, 154, 193
- McLuhan, Marshall, 74
- Media Rules!*, 224
  
- Mental blocks, 108
  - audio drops, 110
- Buckup, Sebastian, 110–111
- dramatic advancements, 111–112
- technology, 109
- Merryman, Ashley, 89
- the Met. *See* Metropolitan Museum of Art (the Met)
- Metropolitan Museum of Art (the Met), 55, 75, 185–186
- Miranda, Lin-Manuel, 58
- Mistakes, 215
  - analyzing, 195
  - different, 219
  - learn from, 216
  - See also* Failure
- MIT. *See* Massachusetts Institute of Technology (MIT)
- MIT Entrepreneurship Review, 227–228
- Moonshots speech, 99
  - Google X, 101, 103
  - Kennedy, 100–101
  - leadership training program, 102
- Music, 29
- Nanotechnology, 204
- National Commission on Terrorist Attacks Upon the United States, 48–49
- NBC, 203
- Netflix, 84, 199–201, 203

- Neumeier, Marty, 83–84
- Neuroimaging techniques, 208
- 9–11 Commission. *See* National Commission on Terrorist Attacks Upon the United States
- Nooglers, 152
- Obama, Barack, 67, 68, 71, 199
- Obsessive Compulsive Disorder (OCD), 210
- O'Connor, Bill, 77
- O'Neill, Paul, 97–99
- Operating system  
reprogramming, 166–168
- Oppenheimer, Mark, 27
- Osborn, Alex, 219
- P&L world. *See* Profit-and-loss world (P&L world)
- Page, Larry, 59, 102
- Panels, 216
- ParentsTogether, 91
- Pew Research Center's Religion and Public Life Project, 143–144
- Pew study, 144, 163
- Pink, Daniel, 50
- Poetry, 3
- Political freedom, 205
- Political rancor, 217
- Practical knowledge, 45
- Pre-visualization, 112–116
- Predictability, 65
- Priming, 33
- Problem solving, 148
- Profit-and-loss world (P&L world), 55
- Proudfoot, Devon, 189–190
- Q4KIDZ programs, 91
- Rabbit-hole questions, 79
- Randomness of encounter, 165
- Rational actors theory, 119–121
- Rationality, 4
- Rauch, Doug, 228–229
- "Reach of Imagination" (Bronowski), 5
- Reality-based imagination, 43
- Reality-directed imagination, 44
- Recognizing and acknowledging imagination, 188
- creative and innovative people, 190
- creative role within organization, 188
- gender bias, 189
- Harvard Business Review, 189–190
- imagination and creativity, 191
- issues, 191
- organizations in society, 188
- See also* Imagination
- Religion, 35–36, 143, 145, 146, 230
- Religious-like phenomena, 145
- Robinson, Michael, 33–34



- Robotics, 204–205
- Ronn, Kurt, 87–88, 148–149
- Rose, Jamie, 83, 147
- Rosenkrantz, Jason, 37, 38
- Ross, Alec, 49–50
  
- Sachs, Goldman, 153, 186
- Sartre, Jean-Paul, 4
- Sawaya, Nathan, 194
- Scaffolding, 22–25
- Schizophrenia, 210
- Schumpeter, Joseph, 75–76
- Schwab, Klaus, 204
- Schwartz, Johanna, 10, 63–64, 188, 192, 194
- Science without experimentation, 30–32
- Scientific method, 30–32
  - components, 31
- Scott, Hannah, 2, 197, 206
- “Selective attention”, 169
- Shankman, Peter, 88, 148, 179, 194
- Shift & Reset*, 222
- Sidney, Phillip, 3
- Siewert, Jake, 36–37, 153, 186
- Simms, Dia, 83, 186–187, 190, 191
- Siri, Jane Fulton, 86–87
- Six Sigma, 66
- Slocum, David, 76–78
- Smart(er) data
  - challenges, 212
  - data exhaust, 197
  - data without imagination, 201–204
- 4FIT, 207–211
- Fourth Industrial Revolution, The, 204–205
- imagination, 204–205
- imagination fueled by data, and vice versa, 198–201
- measuring imagination, 205–207
- pinpointing business trends, 198
- “Smart” devices, 150
- Smith, Megan, 130
- “Social-tie density”, 162
- Software, 16
- Sorkin, Aaron, 198, 203
- South by Southwest Interactive Festival (SXSW), 71–73
- Spacey, Kevin, 199
- “Spark with Imagination, Fuel with Data” approach, 59
- Sreenivasan, Sree, 55, 56, 75, 185
- Stiles, Sarah, 192
- Strategic imagination, 184
- Surprise, 40
- Sutton, Robert I., 177
- SXSW. *See* South by Southwest Interactive Festival (SXSW)
- Systems, 16, 61–63

- using expertise as
  - determinant, 85
- standards of measurement, 85
- T-shirts, 216
  - statements, 212
- Taylor, Bill, 74
- Technology, 126
- TEDxCambridge talk, 200–201
- Teller, Astro, 101
- Theoretical knowledge, 45
- Think Method, 29–30
- “Think System”, 29–30
- Thoughtless Acts*, 86–89
- 3D printing, 204
- Top-down communication, 128
- TrendWatching, 96
- Turing, Alan, 167–168, 173
- Turing Test, 167–168
- “Unexotic Underclass”, 227
- Unlocking potential, 63–65
- Unreasonable ideas, 94
- U.S. Chief Technology Officer (CTO), 130
- Virtual Reality, 16
- Visual imaging, 29–30
- Visualization, 113, 207
- Voting gaps, 164–165
- Wal-Mart, 136
- “War room” approach, 177, 179–181
- acknowledging imagination, 187–191
- asset, 192–194
- centrifugal workforce, 181–184
- challenges, 195
- imagination, 181, 184–187
- rapid-response operation, 180
- stopping overthinking, 177–179
- Warren, Rick, 144–145
- Weiner, Eric, 157, 160–161
- Weird Ideas that Work*, 177
- “Weird Rules”, 177, 178
- Wernicke, Sebastian, 200
- West Wing, The*, 198–199
- Wiener, Norbert, 13–14
- Wieth, Mareike, 68
- Williamson, Timothy, 43, 44
- Willmon, Beau, 199
- Wojcicki, Susan, 59
- Words, 99
  - influence behaviors, 95–99
- World Series, 230
- Wright, Robin, 199
- Writing story, 105
  - games, 105–108
  - social dynamics, 107–108
- Zabelina, Darya, 33–34, 207, 208
- Zacks, Rose, 68
- Zuckerberg, Mark, 67, 154