

Index

- apples and oranges problem, 33, 42, 50, 53
- assessment
 - diagnostic, 102, 104, 105, 147
 - effective, 104
 - for learning, 83
 - formative, 84
 - high stakes, 104, 142, 148
 - peer, 83
 - reliability, 149
 - teacher, 66, 108
 - validity, 104, 105, 149
- average treatment effect, 150, 152
- Bananarama Principle, 100
- Bernstein, Basil, 106
- bets
 - good, 70, 99, 100, 119, 122, 138
 - risky, 138
 - successful odds, 143
- bias
 - publication, 21, 23, 30, 37, 48, 62
 - selection, 12, 34, 48
 - super-realisation, 65, 145
- Biesta, Gert, 150
- Campbell, Donald T., 148
- Campbell's Law, 149
- Cohen, Jacob, 9, 38
- counterfactual, 48, 61, 119, 152
- digital technologies, 89
- Education Endowment Foundation, 56, 67, 114, 153, 157
- effect size, 5, 7, 32, 64, 66
- extrasensory perception, 29
 - feedback, 81, 100
 - Fisher, Ronald, 29
 - Fitz-Gibbon, Carol, 52, 146
 - fixed-effect model, 35
 - forest plot, 15, 28
- Glass, Gene, 23, 32, 65
- Goldacre, Ben, 30
- Goldilocks problem, 85
- Graham, Steve, 116
- Hattie, John, 44, 48, 67
- Hedges, Larry, 35
- homework, 33, 138
- learning styles, 94
- literacy interventions, 101, 131
- Major, Lee Elliot, 55
- mappa mundi, 142
- marginal gains, 149
- Marzano, Robert, 46
- meta-analysis, 21
 - average effects, 72
 - bias in, 37
 - challenges, 30, 61, 80, 142, 155
 - definition, 4, 5, 26
 - disadvantages, 113
 - history and development, 25, 27, 34, 36
 - inference, 121
 - network, 51
 - principles, 21
- metacognition and self-regulation
 - approaches, 85
- meta-meta-analyses. *See* meta-synthesis
- meta-synthesis, 42, 44, 49, 52, 54, 67, 97, 116, 124, 141
- moderator, 26, 53
- moderator analysis, 22, 27, 34, 62, 67, 69, 128, 134, 137
- opportunity cost, 105, 149, 153
- padlock ratings, 63
- parental involvement, 124
- Pearson, Karl, 27, 31
- pedagogy, 77, 107, 148, 149

Index

253

- phonics, 11, 19, 26, 37, 80, 102, 110, 142
pooled effect, 15, 28, 30, 62, 145
Pratt, Joseph Gaither, 29
PRISMA, 22
proximal effects, 78
proxy problem, 104, 148, 149
pupil premium, 55
p-value, 71

random allocation, 14
random-effects model, 38
random selection, 11, 154
randomisation
 impact of, 145
 importance of, 14, 66, 97, 146
reading comprehension, 110
reading to learn, 108, 147
regression analysis. *See* moderator analysis
regression to the mean, 14, 67
replication, 22, 23, 61
research-use, 153
Rhine, Joseph Banks, 29

scaffolding, 88
Simple View of Reading, 114
speaking and listening approaches, 106
squeezing the balloon, 81, 105
standard deviation units, 32, 44, 59
standardised tests, 43, 51, 66, 119, 126, 145, 147
statistical significance, 5, 6, 11, 70
Sutton Trust, 55, 58

Toolkit
 assumptions, 67
 cost-effectiveness, 68
 methodology, 58, 64
 origins, 54
 Pupil Premium, 56, 62
 rationale, 61
 Sutton Trust, 53
 themes, 62, 69
treatment inherent measures, 80

umbrella review, 58, 126, 137

what works, 48, 58, 61, 70, 146, 150