

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)

Index

- abilities, 62–63, 71–72, 132
 - cognitive abilities, 70, 72
 - self attribution of ability, 65
 - spatial abilities, 65
- abstract language. 20. *See also* abstract terms; abstractness
- academic performance, 100
- achievement, 52, 63, 96
- action plans, 125
- action programs, 115
- addiction. *See* psychopathology
- adolescence, 65
- adulthood, 65, 70
- affect, 76, 78, 152, 316, 356. *See also* emotion
 - Task x person level, 386
- Affective Neuroscience, 112, 127
- affectively laden stimuli, 69
- affordances, 130
- age, 33
- aggregation, 63
- aggression, 148
- AI research, 141
- analogy, 51
- anger or distress
 - ambiguous information, 456
- animals
 - cats, 148
 - finches. *See* mammals
 - inner world, 186–187
 - invertebrates, 145, 181
 - monkeys. *See* mammals
- anthropomorphism, 116, 129
- antisaccade task, 104
- anxiety, 63
 - adverse effects on performance, 100
 - attentional control, 103
- brain activation, 105
- central executive, 106
- EEG desynchronisation, 102
- effects on performance effectiveness, 102
- inhibition function, 105
- performance effectiveness, 106
- prefrontal activity, 103
- processing efficiency, 103, 106
- shifting function, 104–106
- updating and monitoring function, 106
- worry, 99
- appetitive reactions, 143
- arousal, 18, 68, 112, 116, 123, 137
 - global state of arousal, 120
- art, 71
- Asians, 161
- attention, 68–69
 - pain, 250
- attentional control, 102
 - anxiety, 98
- attitudes, 79, 394
- attributions, 166
 - group attributions, 165, 167
 - individual attributions, 165, 167
- Australian aborigines, 346
- autocracy. *See* autocratic group structure
- autocratic group structure, 24
- aversive reactions. *See* appetitive reactions
- bees, 124
- behavior, 78
 - animal behavior, 150
 - appetitive behavior, 118, 124, 146, 148.
 - See* appetitive reactions
 - autonomous activity, 185
 - behavior programs, 125

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)

484

Index

- behavior (*cont.*)
 - behavioral flexibility, 145
 - behavioral schemes, 140
 - biased behavior, 314
 - concrete motor behavior, 150
 - fight or flight, 148
 - goal directed behavior, 77, 82, 88, 142
 - instinctive behaviors, 276
 - kinesis behavior, 141
 - meternal behavior, 122
 - motor activities, 147
 - multi purpose activities, 147
 - play, 148
 - prototypic behaviors, 160
 - public speaking, 203
 - sensorimotor action, 150
 - smoking habit, 203
 - superstitious behavior, 289
 - survival oriented behaviors, 115
 - survival promoting behaviors, 110
- behavioral programs, 138, 146
- behaviorism, 111, 115, 129
- belief, 162
 - belief in progress, 162
 - changes, 162
 - cyclical changes, 162
 - yin and yang, 162
- beliefs, 15
 - control and agency beliefs, 387
 - meanings, 438
 - system of beliefs, 167
- bias, 289, 297
 - cognitive bias, 290, 295–296, 299
 - motivational bias, 295
- bicultural individuals, 166
- biological organization, 140
- biology, 173–174
 - autonomous rhythmicity, 182
 - chemical mechanisms, 180
 - chemical processes. *See* chemical mechanisms
 - compensatory reactions, 183
 - Darwinian biology, 178–179
 - diffusion and dissolution, 180
 - energy conversion, 183
 - evolutionary biology, 411
 - gene expression, 177
 - locomotor apparatus, 181
 - mechanistic interpretation, 176
 - molecular biology, 182
 - molecules, 178
 - morphogenesis, 178
 - organismic biology, 173, 179
 - reafference, 183
- bodily homeostasis, 124
- body maps, 120
- brain, 77, 215
 - ability, 219
 - amygdala, 78
 - anxiety, 227
 - apathic mesial frontal syndrome, 88
 - brain activating systems, 109
 - brain activation, 102–103
 - brain activity, 219–220
 - brain functioning, 217
 - brain injury, 81–82, 84
 - cell assembly, 224. *See* Hebb synapse
 - central nervous system, 215
 - centromedial cortical regions, 120
 - cingular opercular component, 77
 - cortical neurons, 215
 - Default Network, 460
 - dysexecutive dorsal convexity syndrome, 88
 - EEG, 102, 218
 - electrical brain stimulation, 112
 - electroencephalography (EEG), 216
 - emotional brains, 129
 - episodic memory, 217
 - Extended Reticular Activating System, 119
 - fMRI, 219, 459
 - frontal lobe injury, 82
 - fronto parietal component, 77
 - Functional magnetic resonance imaging (fMRI), 218
 - giftedness, 222
 - hippocampus, 146
 - hypothalamic corridor, 118
 - hypothalamus, 118–119, 122
 - impulsiveness, 227
 - information processing, 217
 - insula, 78
 - intelligence, 220
 - mammalian limbic system, 124
 - mesocortical innervation, 123
 - mind wandering, 460
 - MRI, 218
 - musculoskeletal body, 120
 - near infrared spectroscopy (NIRS), 219
 - neocortex, 215–216
 - neocortical layers, 130
 - neocortical neurons, 216
 - neural efficiency theory, 221
 - neuroaxis, 115
 - NIRS, 219

- nucleus accumbens and ventral pallidum, 119
- orbitofrontal cortex, 78
- orbitofrontal injury, 82
- pain circuits, 114
- parietal structures, 80
- periaqueductal gray (PAG), 120
- personality traits, 219
- PET, 218–219
- PET scanning, 459
- prefrontal component, 77
- prefrontal cortex, 78, 102–103
- prefrontal injury, 81
- prefrontal structures, 80, 84, 86
- semantic memory, 217
- social brains, 132
- stimulus independent thought, 460
- striatum, 80
- subcortical cortical network, 78
- subcortical regions, 113
- temporal lobe, 78
- thalamus, 118
- the behavioral activation system (BAS), 227
- the behavioral inhibition system (BIS), 227
- triune brain, 124
- ventral pallidum, 80
- ventral tegmental area (VTA), 119
- ventral tegmental area to the nucleus accumbens, 118
- visceral body, 120
- visual cortex, 78
- brain activation
 - memory retrieval, 229
- brain activity
 - attention processes, 229
 - brain arousal, 225
 - computer game, 225
 - diabetes, 241
 - effects of pain, 250
 - episodic memory, 225
 - learning, 224
 - Mozart's music, 224
 - pattern of ERD/ERS, 221
 - personality traits, 225
 - spatial memory, 225
- brain efficiency theory
 - brain ability relationship, 230
- brain function
 - creativity, 222
- BrainMind. *See* MindBrain
- BrainMindBody. *See* BrainMind; MindBrain
- central coordinating part
 - fluctuating central state, 146
- central nervous system
 - sleep, 239
- change
 - confucian theory of change, 163
 - phylogenetic change, 179
 - trajectory of change, 162
 - unexpected events, 162
- chess, 345
 - DEEP BLUE, 345
 - representations of chess positions, 282
- childhood, 67
- chinese undergraduates, 162
- chronic pain
 - attention deficits, 249
 - memory, 249
 - speed, 249
- CO approach. *See* cognitive orientation
- CO of creativity
 - themes of CO of creativity, 47
- CO theory. *See* meaning
- cognition, xii–1, 32, 72, 76–77, 79, 129, 131–132, 134, 141, 173–174, 192, 202
 - abstract concepts, 334
 - abstract or concrete approach, 54
 - accommodation, 475
 - acute pain, 241
 - acute states of disease, 241
 - aerobic health and exercise, 238
 - affect. *See* emotions
 - algorithms, 325
 - applying knowledge, 192
 - assimilation, 475
 - attention, 77, 79–80, 83–85, 87, 123, 146, 152, 203
 - attentional bias, 98
 - attentional control, 101–103
 - attentional control theory, 97, 105
 - attentional networks, 77
 - autobiographical memory, 82
 - autoregulative processes, 138
 - avoidance cognitive mechanisms, 302
 - brain, 32
 - causal judgements, 167
 - causal mechanisms, 326
 - central executive, 98
 - CO cluster, 54
 - cognition and emotion, 85–86
 - cognition subserves emotion, 84
 - cognitions, 151
 - cognitive act, 33–34

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)

486

*Index*cognition (*cont.*)

cognitive activities, 143, 146, 150

cognitive acts, 35

cognitive appraisals, 112

cognitive associations, 147

cognitive complaints, 249

cognitive contents, 34

cognitive deficits, 253. *See also* cognitive impairments

cognitive deliberation, 159

cognitive determinants, 53

cognitive developmental theory, 475

cognitive effort, 70

cognitive flexibility, 80

cognitive functioning, 64

cognitive functions, 137, 243

cognitive impairment, 81, 87, 241

cognitive linguistics, 411

cognitive load, 166, 220

cognitive performance, 54, 83

cognitive processes, 34, 152

cognitive processing, 69, 72, 80, 124, 127, 450

cognitive programs, 54

cognitive programs of curiosity, 52

cognitive representations, 158

cognitive revolution, 274, 321, 329, 450

cognitive science, 1, 330–331

cognitive styles, 72

cognitive system, 53–54, 77, 127

cognitive tasks, 77

combinational creativity, 282

complex information processing, 274

comprehension of affective sentences, 82

computer models, 274

conceptual metaphor, 410

concrete senso motor processes.

See development

conscious deliberations, 152

consciousness, 117–118, 123, 125, 138–139

constituent of motivation, 33

coronary health in middle age, 238

creating narrative, 454

creative thinking, 276, 282, 410, 462

cultural cognition, 158, 168

cultural differences, 158

curiosity, 148, 207

daydreaming, 275, 454, 461–462

daydreams, 453

decision making, 77, 79, 113, 129, 144, 290,

298, 307, 329, 342

decision processes, 152

dreams, 461

dual system process, 302

effective causality, 332

embodied cognition, 240

embodied concepts, 335

emotion, 454

emotional cognition, 78

ephemeral aspects, 210

episodic memory, 453

episodic working memory, 124, 128

evaluating preferences, 192

evaluations, 152

evolution of the cognition apparatus, 176

evolutionary origins, 131

executive functioning, 100

executive functions, 77, 83, 106

expertise, 339

fantasies, 453

fear logic, 152

flexibility, 148, 322

folk psychological concepts, 331

formal system, 327

future oriented mentation, 462

gain of information, 141

gain of knowledge, 139

gender based differences, 227

gene expression, 193

gene identification, 212

genetic differences drive the experiences, 211

genetic influences, 192, 205, 211

good health in adulthood, 238

group differences, 158

heritability, 192

if, then, 332

imagery, 450

imagination, 146, 454

imaginative dimension, 457

impact of the disease, 240

impaired mental health, 239

inferences, 160, 326

information, 142

information processing, 332

information processing system, 275

inhibition function, 98, 104

intellectually stimulating activities, 206

intelligence, 130, 205, 208

intuition, 298, 334

intuitive thinking, 291

judgment, 165, 290

judgments about severity of situations, 54

level of organic processes, 139

medical treatments, 240

memory, 77, 79, 106, 122, 341

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)*Index*

487

- memory programs, 124
- mental activity, 186
- mental mapping, 308
- mental rehearsal, 457
- mental representations, 151
- mental retardation, 212
- metacognition, 396
- metonymy, 410
- modern evolutionary theory, 176
- monotonic inferencing, 410
- motivation, 33, 335
- motivations, 137, 323
- nonconscious non explicit level, 388
- normative rational models, 291
- normative reasoning, 298
- nutrition, 239
- organized verbal schemas, 453
- orientation to the possible, 453
- patterns of cognition, 204
- performance effectiveness, 97, 101–102
- personal experience/expertise, 338
- perspective taking, 461
- phonological loop, 100
- physical effects, 240
- planning, 33, 43, 124
- playing chess, 274
- Polygenic traits, 210
- pre cognitive operations, 131
- precision of measurement, 210
- predicting cognitive acts, 42
- problem solving, 130–131, 150, 220, 273, 290, 462
- processing capacity, 101
- processing efficiency, 97, 101–102
- processing efficiency theory, 97, 100
- processing information, 192, 331
- programs, 275
- psychopathological cognition, 258
- rational system, 315
- rational thinking, 291
- rationality, 149, 152
- reason, 326
- reasoning, 71, 290
- reasoning ability, 56
- schemas, 452, 455, 458
- scripts, 452
- shifting function, 98, 104
- sleep, 239
- social cognition, 78, 450
- social intelligence, 132
- spatial working memory, 100
- states of consciousness, 54–55, 57
- stereotyping, 293
- symbolic behavior, 149
- symbolic memory, 127
- symbols, 138, 149–151
- the phonological loop, 97
- theory of mind, 458, 460–461
- thinking, 124, 130, 174, 275
- thinking and cognizing, 132
- thought sampling, 460, 463
- transformational creativity, 282
- updating function, 98
- verbal memory, 87
- verbal working memory, 100
- visual images, 131
- well defined problems, 276
- working memory, 97, 99–101, 126
- cognitive act
 - motivation, 56
- cognitive acts. *See also* mental action
 - CO clusters, 58
 - predicting cognitive acts, 45
 - themes, 45
- cognitive complaints
 - chronic pain patients, 249
- cognitive deficits
 - after pregnancy, 253
- cognitive functioning
 - anxiety, 257
 - bio psychological data, 258
 - cortisol, 246
 - denial, 257
 - depression, 257
 - estrogen and progesterone levels, 254
 - facilitatory effects of cortisol, 247
 - gonadal hormones, 247
 - health psychology, 258
 - hormone replacement therapy, 247
 - inhibiting effects of cortisol, 247
 - menstruation, 254
 - mental state, 258
 - physical disorders, 257
 - preoccupation with the disease, 257
 - sleep, 254
 - states and processes in the brain, 258
 - worry, 257
- cognitive functions
 - type 2, diabetes. *See* diabetes
- cognitive heuristics
 - anchoring and adjustment, 300
- cognitive impairment
 - age related macular degeneration, 252
 - allergic rhinitis, 245

- cognitive impairment (*cont.*)
 - Alzheimer's disease, 241
 - anemia, 244
 - antihistamines, 256
 - antihypertensive medication, 256
 - asthma, 245
 - blindness, 252
 - brain tumors, 241
 - breast cancer, 247
 - cancer types that directly involve the CNS, 247
 - cardiac surgery, 255
 - cardiovascular disease, 242
 - celiac disease, 244
 - chemotherapy, 247, 256
 - cholesterol, 242
 - chronic lung disease, 245
 - chronic pain, 249. *See also* pain
 - COPD, 245
 - coronary heart disease, 242
 - cushing disease, 246
 - decreased motivation and interest of chronic pain patients, 251
 - dementia, 241
 - diabetes mellitus, 243
 - diseases that affect the brain, 241
 - drugs with anticholinergic properties, 256
 - elevated blood pressure, 243
 - epilepsy, 241, 248
 - fibromyalgia, 251
 - haptic deficits, 253
 - hearing loss, 252
 - heart failure, 242
 - Helicobacter pylori*, 244
 - Huntington disease, 241
 - hypothyroidism, 246
 - infections with HSV-1 and the COMT Val158Val genotype, 251
 - irritable bowel syndrome, 244
 - lyme disease, 248
 - major depression, 246
 - medical treatments, 255
 - multiple sclerosis, 248
 - obstructive pulmonary disease, 245
 - olfactory sense, 253
 - overweight, 254
 - pain, 248
 - pain intensity, 250
 - Parkinson's disease, 241
 - pollen allergic people, 245
 - poor kidney function. *See* renal failure
 - post operative cognitive dysfunction, 255
 - pregnancy, 253
 - psoriasis, 251
 - renal failure, 244
 - risk factors or correlates of cardiovascular disorders, 242
 - sensory disabilities, 252
 - statins, 256
 - stemcell transplantation, 247
 - stroke, 241
 - subclinical hypothyroidism, 246
 - surgery with general anesthesia, 255
 - tinnitus, 253
 - treatments of cancer, 255
- cognitive motivational factors
 - four belief types. *See also* giftedness
- cognitive or intellectual abilities, 63
- cognitive orientation. 35. *See also* CO model; CO theory; CO approach
 - behavioral intent, 39
 - behavioral program, 35, 40, 43
 - beliefs, 39–40, 45, 52
 - beliefs about goals, 39, 41, 43
 - beliefs about norms, 39, 41, 43
 - beliefs about others and reality. *See* general beliefs
 - beliefs about self, 39, 41, 43
 - changing beliefs, 439
 - CO cluster for cognition, 42
 - CO clusters, 39, 52, 55–58
 - CO clusters for cognitive functions, 57
 - CO clusters for different kinds of thinking, 57
 - CO clusters for specific cognitive functions, 42
 - CO clusters for specific domains of thinking, 42
 - CO for a specific cognitive act, 57
 - CO for cognition, 57
 - CO for specific domains of contents, 57
 - CO model, 38
 - CO model of cognitive functioning, 58
 - CO of analytical thinking, 55
 - CO of chaotic thinking, 50
 - CO of chess playing, 49
 - CO of clinical or experimental psychology, 49
 - CO of clinical psychology, 49
 - CO of creativity, 47–48, 55
 - CO of curiosity, 46
 - CO of experimental psychology, 49
 - CO of intolerance of ambiguity, 50
 - CO of intuitive thinking, 48, 55
 - CO of inventiveness, 48

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)*Index*

489

- CO of mathematics, 49
- CO of memory, 47
- CO of ordered thinking, 55
- CO of planning, 49
- CO of rigidity, 50
- CO of specific cognitive acts, 49
- CO questionnaire, 43–45, 58
- CO questionnaire of cognition, 46
- CO questionnaires for cognitive styles, 50
- CO questionnaires of specific domains of contents, 48
- cognitive acts, 35, 41
- cognitive orientation model of cognitive acts, 57
- cognitive programs, 42, 51, 55–58
 - four stages, 37
 - general beliefs, 39, 43
 - input identification, 41
 - motivational disposition, 35, 38, 40, 42–43, 50, 52, 55–57
 - orientativeness of the beliefs, 39
 - predicting a cognitive act, 57
 - predicting behaviors, 42
 - prediction procedure, 44
 - program conflict, 41
 - programs for implementing cognitive acts, 52
 - programs in the cognitive sphere, 50
 - self development, 443
 - themes, 43
 - themes for cognitive acts, 45
 - themes of CO of cognition, 46
- cognitive orientation (CO), 35
- cognitive orientation of giftedness
 - acting under uncertainty, 443
 - contribution to society, 443
 - demanding from oneself, 443
 - freedom in acting, 443
 - inner directedness, 443
 - inner world, 443
 - non functionality, 444
 - one's own uniqueness, 443
 - restricted openness to the environment, 443
 - self expression, 444
- cognitive orientation theory
 - beliefs about self, 438
 - general beliefs, 438
 - goal beliefs, 438
 - motivationally relevant cognitions, 438
 - norm beliefs, 438
- cognitive processes
 - emotional motivational bases, 137
 - neocortical functions, 137
- cognitive processing
 - abilities, 387
 - knowledge, 387
 - metacognition, 387
- cognitive sciences, 137, 323, 325
- cognitive styles, 52, 56
- cognitive traits
 - cognitive engagement, 63
- cognitive/intellectual abilities, 65
- cogniton
 - cognitive processes, 131
 - cognitive revolution, 137
- collative variables, 360
- collectivism, 168
- command emotional systems
 - SEEKING. *See* SEEKING
 - SEEKING system, 119. *See* SEEKING
- communication, 328, 343, 369
 - acoustic system of communication, 346
 - communicative systems, 410
 - semiotic systems, 414
- computationalism, 324, 331, 333
- conditioned response, 39
- conflict, 27
- conflict situations
 - reconciliation of contradictions, 163
- confucian societies, 161
- consciousness, 34, 144, 174, 176, 450
 - affective consciousness, 119, 128
 - assignment of meaning, 452
 - autonoetic consciousness, 128
 - body mechanism operation, 452
 - channel capacity, 452
 - cognition, 451
 - cognitive orientation, 451
 - cognitive orientation system, 452
 - conscious awareness, 130, 462
 - conscious imagery, 464
 - conscious sequences, 453
 - dreams, 450
 - global state of consciousness, 119
 - higher order consciousness, 127
 - imagery modalities, 452
 - information processing, 451
 - inner speech, 452
 - ongoing consciousness, 451
 - perceptual consciousness, 452
 - physical manifestation, 451
 - primary consciousness, 127
 - reflective processing, 451
 - self directed consciousness, 456
 - stream of consciousness, 451–452

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)

490

Index

- consciousness (*cont.*)
 - theater model, 452
 - unconscious processes, 130
 - unconsciousness, 451
 - visual imagery, 452
 - working memory, 452
- consensus implies correctness heuristic, 23
- constructive realism, 173
- contrast effects, 166
- control of cognition
 - deliberate regulation of cognition, 389
 - deliberate use of cognitive strategies, 389
- coping strategies, 85
- creative thinking
 - Alternative Uses task, 284
 - external incentives, 284
 - extrinsic motivation, 283, 285
 - incentive effects, 284
 - insight problems, 284
 - intrinsic motivation, 283, 285
 - regression in the service of the ego, 283
 - reinforcement, 284
- creativity, 57
 - achievement through conformity, 477
 - achievement through independence, 477
 - adaptability, 475
 - aha moment, 475
 - alcohol, 469
 - anxiety, 468
 - attitudes, 477
 - behavioral view, 473
 - being needs, 470
 - brain correlates, 223
 - childhood abuse, 469
 - cognition, 478
 - cognitive orientation, 444
 - cognitive orientation question of
 - creativity, 444
 - combining unrelated structures, 222
 - controlled by contingencies, 473
 - conventionality, 477
 - deficiency, 470
 - depression, 468–469
 - determination and persistence, 476
 - discretion, 476
 - drive for self actualization, 470
 - drives, 477
 - EEG, 223
 - ego strength, 468
 - emotions, 477–478
 - everyday creativity, 474
 - existential crises, 469
 - exotelic and autotelic, 473
 - extrinsic constraint, 471
 - extrinsic incentive and reward, 473
 - flow, 473
 - generativity theory, 474
 - humanistic perspective, 470
 - inborn drive to understand, 478
 - independence, 477
 - insight, 475
 - intentions for creative effort, 476
 - intrinsic motivation, 470
 - intrinsic orientation, 471
 - intrinsic reinforcement, 474
 - mood disorders, 469
 - motivation for creativity is very specific, 476
 - motivational tendencies, 468
 - multiple links with motivation, 477
 - needs, 477
 - original interpretation of experience, 474
 - original interpretations, 476
 - originality, 470, 476–477
 - personal creativity, 474
 - personality approach, 476
 - personality traits, 477
 - playfulness, 476
 - psychoeconomic theory, 471
 - psychological health, 470
 - psychopathology, 468–469
 - psychosis, 468
 - right hemispheric process, 222
 - self destructive acts, 469
 - self determination, 471
 - self determination theory, 472
 - serendipity, 476
 - speed, 472
 - stable intrinsic motivation, 472
 - strategic effort, 476
 - substance use, 469
 - the operant view, 473
 - unconscious incubation, 472
 - unconventionality, 470
 - underlying conflicts, 470
 - wide interests, 470
 - wish fulfillment, 468
- culture, 151–152, 158–159, 339
 - American culture, 165
 - Chinese culture, 165
 - cognitive consequences, 168
 - cognitive effects, 158–159
 - cognitive traits, 158, 168

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)*Index*

491

- cultural context, 173
- cultural development, 188
- cultural differences, 472
- cultural evolution, 346–347
- cultural factors, 175
- cultural frames, 165
- cultural icons, 165
- cultural identities, 166
- cultural psychology, 322
- cultural worldviews, 167–168
- culture priming, 166
- different norms, 163
- home culture, 167
- host culture, 167
- Indonesian culture, 168
- knowledge items, 164
- motivational structure, 163
- cybernetics, 274
- DA, 125. *See* dopamine
- DA activity. *See* dopamine
- daydreaming, 40
 - personality correlates, 462
- decision making
 - acceptable solutions, 323
 - anticipated emotions, 316
 - bolstering, 313
 - cognitive dissonance, 312
 - cognitive prototype gestalt factors, 313
 - decision conflict, 313
 - Decision Support Systems (DSS), 321
 - Diff Con theory, 313
 - Expected Value (EV) theory, 309
 - four different kinds of decisions, 309
 - goals, 315
 - level 1, 309
 - level 2, 309
 - level 3, 309
 - level 4, 309
 - MAUT model, 311
 - motivating differentiation and consolidation
 - processes, 313
 - motivations, 311, 315
 - multiattribute utility theory (MAUT), 310
 - need for cognition, 311
 - need for cognitive closure, 311
 - personal involvement, 309
 - plan, 315
 - post decision processes, 312
 - process theories, 311
 - psychological stress, 313
 - regret, 313
 - risk avoidance, 311
 - SEU theory, 314
 - social psychological motives, 317
 - structural theories, 311
 - Subjective Expected utility (SEU)
 - model, 309
 - Subjective Expected Utility (SEU)
 - theory, 310
 - Theory of Cognitive Dissonance, 311–312
- declarative knowledge, 51
- deep underlying meanings. *See* deeper layer meanings
- Default Network
 - self focus, 461
 - self relevant stimuli, 460
 - temporal lobe, 460
- Default Network system
 - longterm memories, 464
- defined problems
 - forward search, 276
- denial, 302
- depression
 - frontal lobe dysfunction, 83
- development, 64, 79
 - affective development, 457
 - brain development, 458
 - intelligence, 207
 - neural development, 122
 - ontogenetical development, 182
 - ontogeny, 149, 152
 - phylogenetic and ontogenetic
 - development, 141
 - phylogenetic development, 148
 - sensorimotor period, 150
 - social development, 456
- development of interest
 - phase of emerging individual interest, 371
- diseases
 - akinesias, 123
 - Alzheimer's, 461
 - autism, 461
 - coping mechanisms, 240
 - emotional reactions, 240
 - Huntington's Disease. *See also* genetics
 - life style changes, 240
 - mental diseases, 211
 - mental illness, 469
 - Parkinson's disease, 122
 - schizophrenia, 461
- distraction, 103

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)

492

Index

- dopamine, 109, 118–119, 121, 126, 133
 - anticipation of rewards, 124
 - DA pathways, 121
 - DA receptors, 121
 - excitatory and inhibitory functions, 122
 - mesocortical mesolimbic (MLMC)
 - pathways, 123
 - mesocortical pathway, 123–124
 - mesocortical system, 126
 - mesolimbic pathway, 124
 - movement. *See* movements
 - Nigrostriatal Pathway, 122
 - planning, 123
 - receptor sites, 121
 - reward, 122
 - temporal organization, 123
 - Tuberoinfundibular pathway, 122
- drive pressures, 455
- dual task co-ordination, 107
- dual task design, 100
- dual task paradigm, 99
- ecology, 177
- economic success, 322
- Edelma, Gerald, 127–128
- education, 132
 - cognitive education, 131
 - emotional education, 132
- EEG
 - DCM, 218
 - ERP, 218
- effort
 - cognitive effort, 70
- electroencephalography
 - binding phenomenon, 217
 - event related desynchronization, 217
 - event related potentials (ERP), 217
 - low resolution brain electromagnetic tomography (LORETA), 217
- emotion, 1, 76–77, 79–80, 88, 115, 134, 141, 220, 316. *See also* affect
 - affective action state, 110
 - affective experience, 125
 - affective experiential states, 133
 - anger, 455
 - anticipatory affect, 122
 - anxiety, 56, 100, 102
 - control emotional expression, 455
 - effect of anxiety on processing efficiency, 97
 - emotion processing, 84
 - emotional control, 78, 85
 - emotional dysfunction, 81
 - emotional experience, 455
 - emotional impairments, 83
 - emotional motor expression, 115
 - emotional stimuli, 78, 82
 - experience, 127
 - facial expression, 104
 - fear terror, 455
 - feeling tone, 145
 - homeostasis, 142
 - interest excitement, 455
 - joy, 455
 - motivational role, 454
 - negative emotions, 55, 78
 - overconfidence, 299–300
 - pleasure, 147
 - positive affect, 55, 116
 - sadness-distress, 455
 - setting production function, 55
 - shame humiliation-guilt, 455
 - social feeling, 123
- emotion command systems
 - psychobehavioral integrative system, 124
 - SEEKING, 122, 124–126
- emotion motivation cognition enteractions
 - kinesis reaction, 141
- emotion motivation cognition
 - interactions, 141
 - instincts and related primary emotions, 141
 - taxis reaction, 141
- emotional command systems, 112.
 - See also* emotions; emotional motivational command systems
- CARE system, 114
- FEAR system, 114
- LUST system, 114
- motor subroutines, 112
- neural systems criteria, 112
- PANIC system, 114
- PLAY, 113, 133
- PLAY system, 114
- RAGE system, 113
- SEEKING, 113, 115–117, 120–122, 132–133
- emotional intelligence
 - pattern of ERD/ERS, 222
- emotional motivational command systems.
 - See also* emotion
 - SEEKING system, 109
- emotionality, 453
- emotions, 32, 33, 35, 37, 55, 113, 116, 143, 149–151, 153, 163, 303, 341. *See also* emotional tendencies
 - adjunctive evaluative function, 55

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)

Index

493

- affective experiences, 129
- affective qualities, 151
- affective states, 68, 121
- anxiety, 68, 114, 240
- basic affects, 147
- core emotional feelings, 112
- emotional behaviors, 112
- emotional command systems, 127
- emotional evaluations, 322
- emotional experiences, 152
- emotional networks, 112
- emotive circuits, 144
- emotive systems, 144
- evaluation, 145
- executive systems, 144
- existential terror, 158, 167
- fear of death, 167–168
- feeling of confidence, 293
- feeling of knowing, 293
- hope, 454
- instinctual emotional behaviors, 129
- mood states, 69, 79
- perception of emotions, 78
- pleasure/pain spectrum, 120
- primary emotions, 143–144
- relative hierarchy of moods, 148
- social emotions, 114, 118
- states of consciousness, 55
- Task x Person level, 386
- trait anxiety, 386
- empathic civilization, 133
- empathy, 21
- encephalography
 - dynamic causal modeling (DCM), 217
- endocrine variables, 86
- endogenous opioids, 119
- environment, 183–185, 192
- environmental press, 63, 71–73.
 - See also* situational press
- epistemic motivation, 16
- epistemology, 174, 187
 - evolutionary epistemology, 177, 184
 - genetic epistemology, 475
- ethics, 328
- ethology, 140, 144, 146, 148
 - innate releasing mechanisms, 140
- Euclidean geometry, 333
- European Americans, 161
- evaluation, 79
- event related potentials, 103
- evolution, 110, 122, 138, 140, 182, 199
 - adaptationist view, 187
 - evolution of mental and cognitive
 - abilities, 187
 - genotypes, 201
 - natural selection, 194
 - phenotypes, 201
 - phenotypic changes, 202
- Evolutionary Epistemology, 138
- evolutionary theories
 - adaptation, 175
 - biological adaptation, 176
 - competition, 175
 - Darwinian evolutionary theory, 175–176
 - environmental pressures, 176
 - evolutionary changes, 178
 - genetic changes, 176
 - natural selection, 175
 - selection by the environment, 177
 - synthetic theory, 176–177
 - techniques of breeders, 175
 - the fittest, 175
 - the theory of organismic constructions, 179, 183–184
- The Theory of Organismic Constructions, 178
- expertise
 - deliberate practise, 282
 - sharing expertise, 323
- explicit performative utterances
 - declarative tags, 423
- exploration, 52
- extraversion
 - cortical arousal, 226
 - EEG, 226
 - seeking or avoiding stimulation, 226
- facial expressions, 84
- fear
 - extreme novelty, 456
- feedback, 401
- feelings, 63, 149, 151, 153, 340. *See also* emotions
- FFM
 - delta and theta band, 227
- flexibility, 64
- flow
 - regulatory compatibility experience, 473
- freezing. *See* seizing and freezing
- functional neuroimaging, 103
- gender based differences
 - brain activity, 228
 - emotional intelligence, 228
 - ERP latencies, 229

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)

494

Index

- gender based differences (*cont.*)
 - event related gamma responses, 230
 - intelligence, 228
 - NIRS, 230
 - physiological parameters of cortical
 - activation, 229
 - spatial ability, 228
 - verbal ability, 228
 - visually and auditory evoked potentials, 229
 - visuo spatial ability, 228
- General Systems Theory, 139
 - dynamic equilibrium, 139
 - regulative processes. *See* regulative activities
- genes, 193
 - biological functions, 193
 - low activity MAOA allele, 200
 - short allele of the serotonin transporter, 200
- Genetic Epistemology, 138
- genetics, 193
 - additive genetic affects, 197
 - adoptees, 207
 - biological relatedness, 196
 - chromosomal heterozygotes, 200
 - chromosomes, 195
 - DNA, 195, 197
 - dormant genetic variance, 202
 - environmental control of genetic
 - expression, 200
 - environmental influences, 204
 - environmental variance, 197
 - epistatic affects, 196
 - fruit flies, 200
 - gene alleles, 198
 - gene environment interactions, 201, 203
 - genes, 195, 197, 206, 208, 211–212
 - genetic diversity, 194
 - genetic influences, 204
 - genetic loci, 194
 - genetic polymorphisms, 210
 - genetic variance, 196–197
 - genetic variation, 199, 202
 - heritability, 195–198, 202, 204, 211
 - heritability of viability, 200
 - heritable variations, 195
 - individual differences, 200, 202, 211
 - intelligence, 212
 - law of independent assortment, 194
 - law of segregation, 194
 - laws of inheritance, 194
 - measurement error, 198, 204
 - mendelian genetics, 194
 - molecular genetics, 210
 - monozygotic and dizygotic twins, 196
 - mutations, 195
 - natural selection, 194
 - population genetics, 194, 346
 - population variance, 201
 - recessive genes, 194
 - SES parents, 207
 - shared environmental influences, 205
 - statistical analysis, 199
 - twins, 204
 - zygote, 196
- giftedness
 - achievement motivation, 442
 - asynchrony gap, 434
 - available incentives, 441
 - chance, 440
 - chess music and mathematics, 223
 - child as divergent, 440
 - cognitive motivational correlates, 444
 - cognitive motivational factors, 443
 - cognitive orientation of giftedness, 443
 - curiosity, 442
 - educational opportunities, 440
 - educational programs, 441
 - environmental catalyst, 440
 - environmental circumstances, 444
 - external environmental factors, 440
 - family atmosphere, 440
 - feeling different, 442
 - high moral standards, 442
 - independence, 442
 - inner directedness, 445
 - interests, 442
 - intrapersonal catalyst, 440
 - IQ, 434, 440
 - learning, 440
 - mental age, 439
 - motivation, 440
 - motivational factors, 444
 - natural abilities, 439
 - need for solitude, 442
 - non conformism, 442
 - openness to the environment and inner
 - directedness, 444
 - organizational encouragement, 442
 - overload of stimulation, 443
 - perfectionism, 442
 - personality tendencies, 442–444
 - psychological disorders, 443
 - right hemisphere, 223
 - risk taking, 442
 - self, 444

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)*Index*

495

- socioeconomic circumstances, 440–441
- stigma, 441
- support provided by the family, 440
- talent, 440
- tolerance for ambiguity, 442
- underachievement, 441
- goals, 34
 - goal hierarchy, 275
 - multiple goals, 275
 - structural dimensions, 274
 - supergoals, 274
 - Test Operate Test Exit (TOTE) units, 274
- grammatical functions
 - benefactive, 412
 - dative case, 413
 - meanings, 412
- group
 - in group, 168
- group norms, 25
- habitual behavior, 33
- health, 71
- health care, 70
- heritability
 - narrow sense heritability, 197
 - trait, 210
- heuristic, 51, 290–291, 294, 297, 300, 317
 - activation of heuristics, 301
 - affect heuristic, 294
 - affective heuristic, 316
 - anchoring, 292
 - anti looping, 292
 - availability, 292
 - bigger is better heuristic, 293
 - choice tasks, 292
 - choosing by default, 294
 - choosing by liking, 294
 - contagion heuristic, 292
 - diversification, 292
 - diversification heuristic, 295
 - efficient processes, 297
 - epistemic motivation, 301
 - hill climbing, 292
 - illusion of control, 295
 - juridical thinking, 293
 - language comprehension, 292
 - latency heuristic, 294
 - maladaptive results, 300
 - metacognitive processes, 293
 - motivational heuristics, 296, 301–302
 - planning, 292
 - problem solving, 292
 - representativeness, 292–293
 - take the first heuristic, 299
 - the evolutionary school, 298
 - warm glow heuristic, 293
- homeostatic code, 142
- host clause
 - communicative function, 421
 - host clause verbs, 421
- humor. *See also* laughter
- hypothalamic pituitary adrenocortical system, 87
- imperative tags
 - condensed indirect speech act, 428
 - metonymically linked, 424
 - mitigating function, 427
- in group behaviors. 21. *See in* group
- in group favoritism, 27
- individual differences, 62–64, 66, 71–72, 79–80, 96
- individualism, 168
- industrial revolution, 162
- information
 - complexity, 454
 - contextual information, 160
 - pragmatic information, 412
 - transmission of information, 346
- instinct, 144, 153. *See also* emotions
 - behavioral part, 147
 - central coordinating part, 145
 - innate releasing mechanism, 144
 - perceptive component, 144
- intellectual activities, 70
- intelligence, 33, 62, 433, 445
 - artificial intelligence, 329
 - childhood, 209
 - cognitive habits and skills and knowledge, 207
 - cognitive processes, 220
 - cognitive skills, 433
 - emotional intelligence, 220–221
 - exceptionality, 433
 - exploration, 208
 - family environment, 209
 - genetic and shared environmental influences, 208
 - genetic influences, 205, 209
 - giftedness, 434
 - heritability, 208
 - High ability, 220
 - information processing, 433
 - intelligence tests, 209, 433

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)

496

*Index*intelligence (*cont.*)

IQ, 433

IQ points, 207

learning ability, 433

memory, 433

mental retardation, 434

parieto frontal integration (P-FIT)

model, 221

problem solving, 433

shared environmental influences, 209

superior intellectual ability, 435

interest, 1, 67, 70, 116, 127, 352, 394

achievement goals, 361

affect, 362

attention, 360

cognition, 353, 357

cognitive processing, 358, 363

curiosity, 362

development of attention, 358

development of interest, 353, 370, 375

dispositional interest, 386

feelings, 362

feelings of competence, 360

fewer cognitive resources, 359

goal oriented, 364

identity development, 361

inquiry oriented science workshop, 356

interest development, 356, 362, 365, 367, 369,
374–375

interest generation, 364

interest object, 359

knowledge, 353, 358, 363

learner attention, 352

learners processing, 353

learning environment, 363

mastery goals, 360

meaning, 353

meaningfulness, 360

metacognitive strategies, 352

motivation, 358, 361

musicians, 361

patterns in phenomena, 357

persevere to work, 359

personal significance, 363

play, 359

prior knowledge, 363

problem solving, 360

reading of text, 359

recall memory, 358

role of experience, 363

science, 356

seeking behavior, 353

self generated curiosity, 356

sexual interest, 69

shifts in focal attention, 358

situational interest, 353, 357, 360

skill development, 361

social interactions, 361

stored knowledge, 362

stored value, 362

sustained engagement, 360

sustaining interest, 364

talent development, 361

triggers of interest, 356

types of interest, 363

uncertainty, 356

value, 358, 363

interest and excitement

explore the novelty, 456

interest development

a well developed individual interest, 373

affect, 376

cognition, 357, 365, 367

curiosity questions, 369, 375

developing expertise, 363

emerging individual, 364

emerging individual interest, 369, 373

four phases, 364

heightened affect, 366

interactions with others, 374

interactions with the environment, 374

knowledge building, 376

learning environments, 372–373

learning environments, 375–376

maintained situational, 364

maintained situational interest, 367–369, 373

personally meaningful topics, 367

support, 374

triggered situational interest, 364–366, 373

well developed individual interest, 364, 372

well developed interest, 371

interests, 62

internal state, 145

internal states, 143

internal organismic state, 143

interpersonal interactions, 71

introverts

higher levels of arousal, 226

intuitive thinking, 57. *See also* CO of intuitive
thinking

investment theories, 67

isomorphism, 174

job demands. *See* job requirements

job performance, 72

job requirements, 70

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)

Index

497

- job satisfaction, 70
- judgments
 - adaptive judgments, 299
 - aesthetic judgments, 293
 - biased judgments, 291
 - causality judgment, 293
 - judgments under uncertainty, 291
- kinesis, 142–143
- knowledge, 159, 173, 184, 321, 332
 - a constructivist view, 188
 - accessible knowledge, 164
 - background knowledge, 329–330, 334, 338, 340–344, 357
 - body of knowledge, 203
 - causal knowledge, 335
 - cognitive knowledge, 341
 - common sense knowledge, 338, 340
 - constructed knowledge, 322
 - cultural knowledge, 158, 165–168
 - declarative knowledge, 158–160
 - emotional knowledge, 133, 323
 - epistemic presuppositions, 328
 - experiential knowledge, 336, 340
 - experiential special knowledge, 336
 - expert knowledge, 285
 - expertise, 321
 - experts knowledge, 338
 - experts system, 345
 - explanatory knowledge, 341–342
 - external knowledge, 347
 - folkloristic knowledge, 341
 - genetic knowledge, 347
 - implicit knowledge, 340
 - knowledge activation, 166
 - knowledge management, 321–323
 - knowledge situations, 341
 - knowledge structures, 71, 159
 - language and reality, 343
 - meta/model knowledge, 338
 - neocortical origins, 131
 - new and old knowledge, 344
 - operative knowledge, 342
 - partial knowledge, 291
 - practical knowledge, 328
 - pragmatic incompleteness, 330
 - principle of applicability, 165
 - prior knowledge, 347
 - procedural knowledge, 158–159, 164
 - reflective knowledge, 323
 - relevant knowledge, 346
 - replication of knowledge, 347
 - scissors of knowledge, 15
 - scissors of knowledge and life. *See* scissors of knowledge
 - sharing knowledge, 323
 - social knowledge, 114, 163
 - tacit knowledge, 339–340
 - temporal accessibility, 165
 - vernacular (background) knowledge, 346
- knowledge formation, 15, 17, 27
- inference rules, 15
- new knowledge, 15
- language, 131, 138, 151, 326, 458
 - conceptual motivation, 413
 - discursive modes. *See* symbols
 - French language, 408
 - German, 408
 - Germanic languages, 416
 - grammatical functions, 413
 - metaphoric or connotative connections, 326
 - morphemes, 409
 - natural languages, 408, 412
 - natural sounds, 415
 - phonetic cues, 151
 - phonologic dimension, 151
 - Romance languages, 416
 - semantic dimension, 151
 - semantics, 322
 - signs, 326, 343
 - symbol, 149
 - syntax, 322
 - word. *See also* symbols
- laughter. 114. *See also* humor
- lay epistemic theory, 20
- learning, 123, 126, 133, 145, 383
 - achievement goal orientations, 385
 - autonomy, 385
 - cognitive processing, 387
 - competence, 385
 - co-regulation, 400
 - emotions, 386, 394
 - expectancy value beliefs, 385
 - feelings, 384
 - inborn teaching mechanisms, 147
 - knowledge acquisition, 385
 - learning processes, 152
 - metacognition, 385
 - motivation, 384–385
 - persistence, 385
 - self motivated learners, 132
 - self regulated learning (SRL), 383
 - task related experiences, 384
 - volition, 385
- linguistic intergroup bias, 20

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)

498

Index

- linguistic signs
 - conventionality, 409
 - extralinguistic factors, 410
 - motivation, 409
- linguistics, 341, 407
 - anaphoric pronoun, 418
 - cognitive linguistics, 409
 - communicative motivation, 414
 - conceptual (semantic) content, 410
 - content and form, 414
 - conventionalists, 407
 - cross linguistic variation, 415
 - declarative and imperative clauses, 417
 - declarative sentences, 422
 - declaratives and imperatives. *See* declarative and imperative clauses
 - diachronic processes, 429
 - economy of coding, 409–410, 417
 - generative grammar, 409, 411–412
 - grammatical form, 416
 - grammatical functions, 412
 - grammatical markers, 412
 - grammatical structure, 409
 - historical linguistics, 412
 - host clause, 417
 - iconicity, 410, 414
 - inference, 414, 417
 - interjection, 415
 - interrogative clause, 418
 - intonation, 417
 - language independent factors, 410
 - lexical concepts, 412
 - linguistic change, 412
 - linguistic competence, 413
 - linguistic source, 410–411
 - linguistic target, 410
 - meaning bearing units, 414
 - metonymy, 414, 417
 - modals, 423
 - morphemes, 414
 - morphology, 410
 - motivating factors, 410
 - motivation, 409, 429
 - motivational relations, 413
 - naturalists, 407
 - perceptual motivation, 415
 - phonology, 410
 - pragmatic (communicative) function, 410
 - pragmatic function, 418
 - principle of arbitrariness, 408
 - question tags, 410, 417
 - referential identity, 418
 - semiotic relations, 410, 414
 - sentence clitic, 418
 - speech act function, 417
 - structuralist linguistics, 407
 - synchronic level, 413
 - syntax, 410, 412
 - tag, 417
 - tagged declarative sentences, 418
 - translinguistic factors, 410, 414, 427
 - Universal Grammar, 412
 - vowels and diphthongs, 415
- LIR
 - (language/information/reality), 327
- logic, 332
 - Aristotelian logic, 332, 334
 - formal logic, 325
 - natural logic, 341
 - syllogistic logic, 335
- mammalian species, 115
- mammals, 120, 125. *See* mammalian species
- manipulatory exploration, 52
- MARL model
 - basic tenets, 391
 - metacognition, 392
 - person x task level, 392
 - self regulation of affect and effort, 392
 - the person, 391
 - the task, 391
- MASRL model
 - Person level, 384, 391
 - Person x Task level, 384
 - Task x Person level, 391
- math. *See* mathematics
- mathematical thinking
 - mathematical/structural presuppositions, 326
- mathematics, 57, 67. *See also* CO of mathematics
- maximal performance, 63–64, 66, 73
- meaning, 35, 153, 293, 297, 322, 324, 327–328, 330–332, 335, 337–338, 342–343, 345–346, 409–410, 419, 453–454
 - affective meaning, 113
 - causative meaning, 413
 - components of meaning, 344
 - conceptual frames, 419
 - construction of meaning, 321, 324, 326
 - deep underlying meanings, 39
 - egocentric interpretation, 292
 - emotional significance, 78
 - emotional state, 54
 - exemplifying illustrative, 53

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)*Index*

499

- explanatory encoding of meaning, 345
- formation of meaning, 325
- implicit meaning, 149
- initial meaning, 38
- interpersonally shared meaning, 35, 39
- interpersonally shared mode of meaning, 53,
 - 55. *See also* interpersonal meaning
- interviewing about meanings, 43
- meaning assignment, 35
- meaning environments, 347
- meaning generation, 39
- meaning making, 324
- meaning of a word, 346
- meaning of messages sent by drums, 345
- meaning of the identified input, 41
- meaning structures, 456
- Meaning test, 51
- meaning units, 35, 53
- meaning value, 53
- meaning variables, 35–36, 53–54
- meanings can evolve, 345
- metaphoric symbolic, 53
- modes of meaning, 53
- personal subjective meaning, 37, 39, 53
- personal subjective mode of meaning, 55.
 - See* personal subjective meaning
- profile of cognitive processes of planning, 51
- referent, 53
- significance, 77
- signs, 332
- states of consciousness, 54, 58
- the referent, 160
- meanings, 330
- measurement precision
 - aggregation, 210
- memory
 - affective memory, 146
 - cultural memory, 152
 - long term memory, 462
 - pain, 250
 - physical exercise, 239
- mental events, 112
- mental illness
 - writers, 469
- mental retardation
 - adverse social experiences, 436
 - behavioral traits, 435
 - beliefs, 435
 - cognitive orientation of responses to success and failure, 438
 - cognitive orientation of responsiveness to tangible and intangible rewards, 438
 - cognitive orientation of rigidity, 438
 - cognitive orientation questionnaires, 438
 - cognitive performance, 435
 - cultural familial, 434
 - cultural familial etiology, 437
 - decline in behavioral rigidity, 439
 - environmental factors, 435
 - environmental stimulation, 435–436
 - external environmental factors, 435
 - frequency of failures, 436
 - high expectancy of failure, 437
 - interactions of cognition and motivation, 439
 - IQ, 434
 - learned helplessness, 437
 - low degree of risk taking, 437
 - low effectance motivation, 437
 - low expectancy of success, 437
 - maternal directiveness, 436
 - mental age, 434
 - mentally retarded label, 436
 - motivational disposition, 435
 - motivational factors, 435
 - motivational tendencies, 439
 - motivationally orienting beliefs, 439
 - negative reaction tendency, 437
 - organic etiologies, 434
 - outer directedness, 445
 - outerdirectedness, 437
 - overstimulation, 436
 - parenting style, 435
 - personality tendencies, 435–437
 - positive reaction tendency, 437
 - reinforcer hierarchy, 437
 - rigidity, 437–438
 - self concept, 437
 - social deprivation, 435
 - task extrinsic motivation, 437
 - weak tendency of delay gratification, 437
- mental states, 110, 115
- mesocosmos, 177
- metacognition, 293, 384
 - affect, 385, 387, 398–399
 - analytical knowledge, 398
 - attributions, 397
 - attributions about ability, 391
 - causal attributions, 391
 - cognition, 399
 - cognitive processing, 398
 - collaborative learning, 399
 - conscious awareness, 387
 - control of cognition, 389
 - effort, 398

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)

500

Index

- metacognition (*cont.*)
 - epistemic beliefs, 388
 - feeling of difficulty, 390
 - fluency, 390
 - goal, 384
 - interpersonal relations, 400
 - knowledge states, 398
 - learning, 399
 - metacognitive experiences, 388
 - metacognitive feelings, 388–390
 - metacognitive goal knowledge, 388
 - metacognitive judgments/estimates, 388, 390
 - metacognitive knowledge, 388
 - metacognitive skills, 389
 - metacognitive strategy knowledge, 388
 - metacognitive task knowledge, 388
 - metaloop, 389
 - motivation, 385, 387, 394, 400
 - negative affect, 390
 - normative information, 390
 - online task specific knowledge, 388
 - person characteristics, 399
 - regulation of cognition, 398
 - self concept, 393
 - self representation, 398
 - social cognition, 390
 - trouble shooting, 398
- metacognitive experiences
 - achievement goal orientations, 393
 - affect, 396
 - effort regulation, 394
 - feeling of difficulty, 393, 397
 - negative affect, 396
 - outcome related metacognitive experiences, 389
 - performance avoidance goal orientations, 393
 - performance avoidance goals, 394
 - person level, 400
 - positive affect, 395, 397
 - self concept, 392, 396–397
 - self system, 397
 - task processing, 396
 - task x person level, 400
- metacognitive knowledge
 - declarative knowledge, 388
 - socially shared theories of cognition, 388
- metaphors. *See also symbols*
- mind/brains, 133
- MindBrain, 110–111
- mindfulness, 324
- molar behavior, 42
- mortality salience, 167–168
- motivation, xii–1, 17, 34, 62–63, 76–77, 79–80, 83, 85, 88, 106, 110–112, 118, 121, 123, 130, 140, 142, 144, 168, 192, 275, 300, 307, 322, 340–341, 383
 - accountability, 317
 - accuracy motivation, 301
 - achievement goals, 360
 - activation states, 125
 - affect, 316
 - affect system, 142
 - affective motivation, 318
 - affiliation, 453
 - aggression, 454
 - analysis of complex linguistic expressions, 408
 - Anticipated post decision regret, 316
 - appetitive motivational system, 113
 - attachment, 453
 - autonomy, 453, 455
 - body wide activations of motivation, 130
 - cognitive acts, 34
 - cognitive functioning, 445
 - cognitive motivation, 317
 - cognitive orientation theory, 438
 - cognitive performance, 439
 - cognitive predicament, 478
 - conflict situations, 162
 - conflicting goals and motivations, 203
 - conscious processing, 463
 - construct original interpretations, 475
 - creative thinking, 283
 - culturally accepted (collective) motives, 338
 - curiosity, 457
 - defence motivation, 301
 - deliberate practise, 282
 - drive theories, 34
 - drives, 110
 - effectance motivation, 283
 - emotion, 315
 - emotional motives, 71
 - endogenous build up excitability, 146
 - enduring motivations, 281
 - epistemic motivation, 303
 - epistemic needs, 169
 - existential needs, 169
 - expert thinking, 281
 - expertise, 282
 - expertise in the chosen domain, 283
 - explanatory or assumed motives to predict behavior, 338
 - extrinsic motivation, 80, 471
 - feedback theories, 35

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)*Index*

501

- feelings, 316
- flow experience, 283
- fundamental motivation, 315
- fundamental needs, 308
- genetic influences, 192
- goal, 308
- goal theories, 35
- goals, 158, 160, 273
- group affiliation, 455
- habit formation theories, 35
- heritability, 193
- heuristic thinking. *See* heuristics
- impression motivation, 301
- initiating an action, 123
- instinct theories, 35
- internal needs, 185
- internally motivated processes, 130
- intrinsic motivation, 80, 470
- learned industriousness, 284
- linguistic motivation, 410
- locomotor activity, 142
- mammalian motivations, 132
- maximize or satiscfe, 311
- maximize utility, 291
- motivated to adapt, 475
- motivated to understand, 475
- motivation for cognition, 33
- motivation to avoid depreciation, 472
- motivation to explore, 122, 132
- motivation to reduce the dissonance, 312
- motivation to satisfice, 291
- motivational effects, 33
- motivational forces, 153
- motivational gains, 296, 300
- motivational processes, 150
- motivational states of the body, 128
- motivational systems, 124
- motivational threat, 303
- motivational urges, 125
- motive, 273
- motor acts, 34
- music, 282
- need for affect, 79
- need for belongingness, 158
- need for closeness, 457
- need for cognition, 79–80, 273
- need for firm answers, 167
- need for mastery, 283
- need for privacy, 457
- need for self definition, 457
- need to belong, 168
- need to please others, 308
- organize and integrate novelty, 454
- person level, 385
- personal intimacy, 455
- personal motives, 338
- problem directed thinking, 285
- process and fundamental motivation, 314
- process and outcome motivation, 317
- Process and representation motivation, 317
- process and representation needs and motivation, 308
- process and structural motivation, 314
- processing motivations, 301
- punishment, 147
- regulative activities. *See* regulative processes
- regulative processes, 140
- reinforcement, 111, 115, 119, 147
- representation motivation, 315
- representation need, 314
- reward, 126, 147
- reward and punishment systems, 147
- self actualized individuality, 455
- self realization, 453
- self representation, 453
- sense of control, 456
- sexuality, 454
- social needs, 169
- spend as little energetic effort as possible, 312
- survival needs, 111
- task x person level, 385
- to act in an adaptive way, 300
- transitive relation, 429
- uncertainty, 158
- utility, 314
- visceral motivation, 316
- motivational factors
 - question tags in declaratives and imperatives, 417
- motivational heuristic
 - naive optimism, 296
- motives, 143
- motor system, 122
- N back task, 105
- need for closure, 17–22, 24–27
 - accountability variable, 18
 - group centrism, 23
 - group decision making, 23
 - quest for uniformity, 24
 - scale for assessing need for closure, 18
 - specific closure, 17
 - time pressure, 18
 - transference effect, 19

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)

502

Index

- need for cognitive closure. 16. *See also* need for closure; closure motivation
 negotiation behavior, 22. *See* negotiation
 nervous system, 140, 145, 183
 central nervous system, 181, 215
 neurons, 182
 plasticity, 225
 nervous systems, 181, 187
 neural networks, 87
 neural systems, 77, 113
 neurobiology, 137
 neurochemistries, 120
 neurological disorders, 85
 neurophysiology, 137
 nigrostriatal pathways
 movements, 122
 norm representation
 norm of cooperation, 165
 norms, 63

 octopamine, 124
 onomatopoeia, 415
 ontogeny, 138, 141
 optimism, 162
 organisms, 174–176, 178–179, 182, 184–186, 188
 autonomous organisms, 188
 biological organisms, 174
 constructional constraints, 180
 emancipation, 187
 energy converters, 179
 excitations and irritations, 183
 head capsules, 187
 hydraulic systems, 180
 inner spaces, 187
 locomotor apparatus, 183
 machines, 175
 motorium, 181
 musculature, 181
 organismic autonomy, 186
 organismic complexity, 187
 organismic constructions, 181–182, 184
 rhythmical activity, 180, 183
 sensorium, 181
 sensory organs, 184
 vertebrate eyes, 183
 orienting response, 39
 out group behaviors, 21

 perception, 78, 80, 142–143
 background, 159
 focal objects, 159–160
 network of perceptions, 186

 object constancy, 150–151
 perceptual illusions, 291
 perceptual systems, 290
 signal detection, 461
 social perception, 161
 three dimensional construction of
 space, 184
 perceptual defense, 69
 period of enlightenment, 175
 person representations
 relative accessibility, 161
 personality, 1, 33, 35, 50, 62, 64, 70, 96
 anxious and explosive personality, 203
 dispositions, 161
 extraversion, 225
 five factor model of personality (FFM), 227
 individual differences, 311
 introverts, 225
 neuroticism, 226
 personal attributes, 161
 self esteem, 297
 sense of SELF, 121
 the self, 160
 traits, 203
 value system, 308
 personality cognition overlap, 66
 personality disorders, 64
 personality traits, 56–57, 62–66, 68, 70–73, 79, 85
 agreeableness, 65
 conscientiousness, 65
 introversion/extroversion, 65
 meaning variables, 56
 neuroticism, 65
 P-FIT model
 processing of sensory information, 221
 solutions to a given problem, 221
 structural symbolism, 221
 philosophy, 173
 analytical philosophy, 339
 constructivism, 187
 natural philosophy, 188
 polarity, 175
 Whitehead's concepts, 188
 phylogenetic approach, 138, 141
 phylogenetic perspective, 138
 phylogeny. *See* phylogenetic approach
 physical health, 33, 198
 physics, 111, 327, 331
 physiological homeostasis, 141
 physiological processes, 138
 plants, 130–131

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)*Index*

503

- play
 - capacity for self entertainment, 459
 - creativity, 459
 - imaginative play, 458
 - make believe or pretend play, 456, 459
 - make believe world, 457
 - private games, 457
 - role playing, 459
 - verbal fluency, 459
- political attitudes, 25
 - anti immigration attitudes, 25
 - conservatism, 26
 - right wing, 25
 - right wing authoritarianism, 25
- positive affect
 - coasting, 395
- precision measurement
 - reliability, 210
- probability theory
 - intuitive statistician, 290
- probe technique, 101
- problem solving
 - chess, 281
 - chess experts, 281
 - complex conceptual space, 283
 - detour, 277
 - epistemic resolution level, 340
 - evaluation functions, 279
 - expert problem solving, 281, 285
 - expertise, 281
 - extrinsic motivation, 276
 - feelings, 384
 - forward search, 277
 - General Problem Solver, 274
 - General Problem Solver program, 279
 - goal processing, 274
 - goals, 276
 - hill climbing, 277
 - Hobbits and orcs task, 277
 - ill defined problem, 276
 - insight tasks, 277
 - knowledge lean tasks, 281
 - means ends analysis, 279
 - memory guided search, 277
 - novices, 281
 - plans, 274
 - possible/acceptable solution, 338
 - problem directed thinking, 281
 - problem recursion strategy, 281
 - problem reduction, 279–280
 - problem reduction processes, 274
 - rules, 340
 - search for solutions, 276
 - SOAR, 279
 - solution space, 336
 - subgoals, 279
 - Tower of Hanoi, 279
 - Water Jars, 277
 - X ray tasks, 279
- procedural knowledge, 51
 - country differences, 159
 - environmental affordances, 164
 - motivational environment, 160
- programs
 - aspiration achievement, 275
 - behaving programs, 146
 - discouragement, 275
 - mechanisms for terminating, 275
 - satisficing, 275
- prolactin, 122
- prosaccade tasks. *See also* antisaccade tasks
- prosody, 82
- psychoevolutionary theory, 143
- psychopathology, 64, 79, 86–87, 203
 - anxiety disorders, 86
 - attention deficit hyperactivity disorders, 115
 - depression, 81–85, 87, 123
 - depressive symptoms. *See* depression
 - DSM-IV, 87
 - hallucinations, 123
 - ICD-10, 87
 - obsessive compulsive disorder, 86
 - psychiatric disorders, 86
 - schizophrenia, 86, 123
- psychosis. *See also* psychopathology
- psycopathological behavior, 33
- quality of life, 276
- rationality, 290
 - algorithmic processing, 291
 - allais paradox, 290
 - bounded rationality, 291, 303
 - cognitive illusions, 290
 - ecological rationality, 298
 - normative rationality, 291
 - probability theory, 290
 - rules of logic, 290
- reaction times, 101
- re-afference, 147
- reality sharing, 23
- receptor organs, 146
- reductionism, 111, 138

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)

504

Index

- regulative activities
 - cognitive regulations, 140
 - endocrine system, 139
 - functional integration, 140
 - functional regulations, 140
 - structural regulations, 139
- religion, 167
 - christian religion, 175
- representation, 290, 343
 - authority over behavior, 163
 - goal representation, 273
 - metarepresentations, 458
- representations, 160, 174, 184, 273
 - accessibility, 161
 - associative features, 160
 - cognitive unit, 161
 - cultural norms, 163
 - event representations, 161
 - group as a causal agent, 161
 - mental representations, 458
 - norm representations, 163–164
 - person representations, 160–161, 164
 - representation of the self, 164
 - self-as-a-causal-agent, 161
- resolving conflicts
 - negotiation game, 163
- retrograde amnesia, 82
- reward, 82
 - reward predicting stimuli, 126
- Ritalin, 132
- Rorschach, 54
- science, 71
- sciences, 174
 - empirical sciences, 174
 - mechanistic science, 175
 - natural sciences, 179
 - physics, 179
- SEEKING
 - dopamine, 121
 - neurobiology of SEEKING, 118
- SEEKING system
 - exploration, 116
- seizing and freezing phenomena, 18
- self, 128, 450
 - actual ideal discrepancy, 463
 - actual ought discrepancy, 463
 - actual self, 463
 - causal agent, 161
 - conscious thought, 463
 - depressive or agitated anxious moods, 463
 - dreaded self, 463
 - emotional states, 463
 - ideal self, 463
 - idiographic selves, 128
 - ought self, 463
 - personal self, 128
 - self esteem, 463
 - social identity, 168
- self concept, 65, 67, 71, 387
 - self efficacy, 387
 - self esteem, 387
 - task x person level, 387
- self regulation, 148, 396
 - affect, 397
 - negative affect, 396
- self thoughts, 106
- semantics
 - multidimensional semantics, 344
 - semantic tableaux, 329
 - situation semantics, 341
 - Tarskian semantics, 345
- semiotics, 322, 341
 - Saussure's semiotics, 414
- sensory systems, 112
- shared reality, 25–26
- signs. *See also* symbols
 - linguistic signs, 407
 - meaningful signs, 327–328, 331
- situational press. 63–64, 67, 70.
 - See* environmental press
- skepticism, 117
- skill acquisition, 66–67
- skills, 51, 62
- sleep, 86
- sleep apnea, 245
- social cognition, 76
- social isolation, 160
- social judgments, 26
- social relationships, 293
- social signals, 89
- social situations, 82
- socio cultural atmosphere, 53
- sociology, 152
- space, 184
- speech act, 419
 - assertive illocutionary acts, 419
 - assertive scenario, 421
 - assertive speech act, 419
 - conceptual frames, 419
 - condensed indirect speech acts, 427
 - declarations, 422
 - direct and indirect speech act, 419
 - direct request, 424

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)

Index

505

- directive scenario, 427
- directive speech acts, 423
- explicit performative utterances, 422–423
- illocutionary acts, 422
- illocutionary paradox, 426
- inferential motivation, 425
- metonymic links, 419
- obligation, 426
- question tags, 420
- sincerity condition, 426
- speech act scenario, 419
- speech acts scenarios, 418
- truth related tags, 420
- SRL, 398
 - affect, 397
 - cognitive processing, 383
 - effort regulation, 384
 - learning, 400
 - learning situations, 383
 - metacognition, 383
 - Metacognitive and Affective model of Self Regulated Learning (the MASRL model), 383
 - metacognitive and affective regulatory loops, 384
 - metacognitive experiences, 384
 - motivation, 383, 400
 - person characteristics, 383
 - Person level, 385
 - positive affect, 395
 - role of metacognition, 398
 - short and long term SRL, 383
 - Task x Person level, 385
- states of consciousness, 35
- stimulation theory, 144
- stimuli
 - external stimuli, 185
 - olfactory stimulation, 143
 - releasing stimuli, 151
 - tactual sensations, 147
- stop signal paradigm, 102
- strategies for coping, 88. *See also* coping strategies
- stress, 97
- supernatural clockmaker, 188
- survival, 110, 114, 125, 129–130, 143, 145, 175, 290
 - survival demands, 120
 - survival needs, 124. *See also* motivation
- susceptibility to persuasion, 21
- symbols, 186. *See also* signs
 - discursive symbols, 149
 - presentational symbols, 149
 - symbolic forms, 186
 - symbolic system, 186
 - symbolic systems, 150, 152
- symmetry, 182
 - bilateral symmetry, 184
- syntax
 - syntactic generalizations, 412
- tag
 - acceptability and canonicity, 421
 - affirmative and negative form, 425
 - assertive tags, 426
 - canonical tags, 418–419, 425
 - conditionality, 421
 - content to content, 427
 - economically coded, 425
 - economy or brevity, 418
 - economy principle, 425
 - English tags, 429
 - form to form, 427
 - hearer addressed tags, 427
 - illocutionary tag, 426
 - imperative tag, 423
 - mental or emotional attitude, 423
 - negative tag, 426
 - pragmatic inferencing, 425
 - speaker referring tags, 427
 - tagged declarative sentences, 427
 - tagged imperatives, 423
- target person, 16, 18–19
- task irrelevant thoughts, 98
- taxis, 142–143
 - phototaxis, 142
- technical training, 70
- test performance, 96
- the circle of functions, 186
- The MASRL model, 400
- theories, 162
 - behaviorism, 450
 - behaviorists, 274
 - biological evolution, 162
 - constructive realism, 179, 187
 - Darwinism, 177
 - evolutionary theories, 174–175, 199
 - Frankfurt Evolutionary Theory, 179
 - mechanical theories, 175
 - method of strangification, 178
 - models of nature, 174
 - Modern Evolutionary Synthesis, 193, 195, 197–198, 211
 - organismic constructions, 187–188
 - psychoanalytic models, 461

Cambridge University Press

978-0-521-88867-7 - Cognition and Motivation: Forging an Interdisciplinary Perspective

Edited by Shulamith Kreitler

Index

[More information](#)

506

Index

- theories (*cont.*)
 - psychoanalytic theories, 302
 - strangification, 188
 - synergetics, 178
 - terror management theory, 167
 - theory of organismic constructions, 179
- therapies, 463
 - cognitive behavioral treatments, 463
 - psychoanalysis, 463
 - waking dream therapies, 463
- thinking
 - conscious thought, 455
 - current concerns and wishes, 455
 - directed thinking, 275
 - experiential mode, 302, 453
 - intrusive thoughts, 455
 - magical thinking, 292
 - mathematical thinking, 324
 - metarepresentational mode, 458
 - metarepresentational mode of thought, 458
 - narrative thought, 453
 - paradigmatic thought, 453
 - rational form, 453
 - rational mode, 302
 - stimulus independent thoughts, 459
 - task unrelated images and thoughts, 459
 - undirected thinking, 275
- threat related stimuli, 104
- time. *See also* time course
 - affective present, 128
 - cognitive present, 128
 - durational present, 128
 - present, 128
 - psychological time, 127
 - remembered present, 127
- Tower of Hanoi
 - problem reduction, 280
- trait, 16, 35, 50, 62
 - ability traits, 66
 - affective traits, 62, 65
 - clerical/conventional trait complex, 66
 - cognitive traits, 62–63, 67
 - conative or volitional traits, 62
 - conative traits, 65, 68
 - conscientiousness, 67, 70–71
 - impulsives, 68
 - intellectual/cultural trait complex, 65
 - introversion/extroversion, 64
 - motivational traits, 66
 - neuroticism, 67–68, 85
 - openness to experience, 67, 71
 - science/math trait complex, 66
 - social trait complex, 65, 70
 - test anxiety, 69, 96
 - trait anxiety, 96
 - trait anxiety and performance, 97
 - trait complexes, 66
 - trait markers, 88
- trait anxiety
 - working memory resources, 99
- translinguistic factors
 - economy of coding, 428
 - inferences, 427
 - metonymy, 427
 - speech act function, 427
- triggers for interest
 - novelty of the information, 360
- Turing machines, 325
- typical behaviors, 62, 67, 73
- unicellular organisms, 141
- values, 71
- virtual reality, 328
- vocational choice, 67
- vocational interest, 65
- vocational training, 70
- volitional control, 387
- well defined problems
 - problem reduction, 276
- work, 70
- working memory
 - attentional resources, 99
- writers, 469