

Index

- Aitchison, 75, 79, 136, 137
 amygdala, 4, 6, 14, 26, 28, 29, 30, 31, 34, 36,
 44, 50, 51, 65, 88, 101, 138, 148, 160
 aphasia, 48, 138
Aplysia, 55, 56, 57, 71, 116, 117,
 123, 155
 attention, 9, 26, 27, 29, 30, 32, 34, 37, 44, 46,
 47, 50, 61, 69, 70, 71, 72, 79, 80, 86,
 90, 113, 114, 117, 119, 121, 126, 153,
 154, 156, 158
 Baddeley, 27, 25, 26, 27, 28, 30, 38, 41, 69,
 70, 72, 73, 74, 75, 76, 80, 90, 94, 117,
 125
 bilingual, 1, 22, 95, 96, 100, 101, 102, 105,
 106, 107, 109, 110, 115
 Broca, 6, 14, 22, 28, 29, 30, 31, 32, 33, 35,
 37, 43, 44, 45, 46, 47, 51, 65, 79, 85,
 88, 95, 101, 104, 105, 109, 110, 112,
 113, 115, 140, 143, 147, 153, 162
 capacity, 26, 27, 62, 70, 89, 94, 95, 97, 117,
 128, 153, 157, 160
 coarticulation, 53, 54, 83, 98, 99,
 100
 code switching, 106, 107
 cognitive demand, 67, 68, 70, 71
 cognitive load, 1, 17, 67, 93, 97, 142, 153,
 155, 159, 160, 162
 concept, 7, 8, 9, 10, 14, 15, 18, 19, 20, 22, 33,
 34, 35, 38, 39, 40, 67, 71, 74, 75, 86,
 87, 96, 101, 102, 103, 106, 126, 137,
 145, 148, 149, 153, 158
 content words, 11, 12, 13, 18, 48, 51, 75, 76,
 77, 106, 134, 136, 137, 138, 139, 140,
 141, 142, 143, 144, 152, 156
 converging zones, 52, 62
 dementia, 46, 47, 65
 distraction, 53, 117, 121, 122, 123, 124, 128,
 131, 132, 134, 135, 141, 150, 154
 dynamic systems, 68, 130
 emotion, 4, 10, 11, 12, 13, 14, 26, 27, 28,
 29, 30, 31, 34, 35, 36, 38, 39, 50, 51,
 54, 57, 59, 60, 63, 64, 74, 75, 76, 87,
 88, 89, 92, 106, 117, 119, 134, 144,
 147, 148, 149, 150, 151, 152, 155,
 156, 163
 environment, 1, 6, 12, 15, 61, 65, 87, 89, 95,
 97, 99, 106, 108, 120, 130, 134, 143,
 152, 159, 161
 enzyme, 55, 56, 64, 65, 91
 executive, 27, 28, 29, 30, 31, 32, 34, 35, 36,
 38, 44, 46, 47, 69, 79, 80, 90, 113,
 119, 156
 faculties, 4, 6, 11, 23, 29, 30, 44, 46, 51,
 57, 65, 69, 72, 87, 88, 89, 95, 115,
 128, 154
 flashcards, 122, 128, 129, 159, 160
 function words, 11, 12, 13, 18, 48, 51, 75, 76,
 77, 106, 134, 136, 137, 138, 139, 140,
 141, 142, 143, 144, 152, 156, 158, 163
 Gathercole, 26, 27, 38, 72, 73, 74, 76,
 89, 94, 99
 grapheme, 8, 9, 10, 11, 16, 18, 23, 34, 39, 97
 hippocampus, 2, 4, 6, 12, 13, 14, 15, 25, 26,
 27, 28, 29, 30, 31, 32, 34, 35, 37, 40,
 41, 42, 44, 46, 47, 51, 52, 53, 61, 65,
 85, 86, 88, 94, 95, 99, 101, 109, 119,
 130, 138, 139, 140, 142, 147, 148, 150,
 153, 160, 162, 163
 Kandel, 4, 6, 11, 40, 55, 56, 58
 Korte, 15, 52, 62, 92, 95
 lemma, 7, 8, 9, 10, 14, 15, 18, 20, 22, 27, 28,
 31, 33, 35, 38, 39, 40, 75, 86, 87, 101,
 102, 103, 104, 105, 106, 107, 108, 111,
 137, 139, 145, 153
 lexeme, 3, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16,
 17, 18, 19, 20, 21, 22, 23, 25, 26, 27,

178 *Index*lexeme (*cont.*)

28, 29, 31, 32, 33, 34, 35, 37, 38, 39,
 40, 43, 44, 48, 50, 52, 60, 67, 68, 69,
 70, 71, 72, 73, 74, 75, 76, 77, 78, 79,
 80, 81, 82, 83, 84, 85, 86, 87, 90, 91,
 93, 94, 96, 97, 99, 101, 102, 103, 104,
 105, 107, 108, 109, 110, 111, 113, 115,
 117, 123, 124, 127, 128, 130, 137, 138,
 143, 144, 145, 146, 147, 151, 153, 154,
 157, 160, 162, 163

long-term memory, 2, 3, 5, 12, 13, 14, 23, 24,
 29, 55, 57, 58, 59, 62, 65, 93, 110, 116,
 117, 118, 119, 125, 126, 130, 133, 137,
 138, 141, 142, 146, 160, 163

maintenance, 14, 29, 50, 61, 64, 65, 126,
 155, 163

memory trace, 31, 37, 58, 71, 74, 78, 85, 89,
 99, 144

mild cognitive impairment, 46, 47, 65

Milton, 4, 67, 136, 158, 159

morpheme, 7, 8, 9, 10, 15, 16, 17, 18, 19, 20,
 22, 23, 27, 28, 29, 32, 34, 35, 39, 40,
 43, 44, 48, 69, 70, 73, 75, 79, 83, 85,
 87, 92, 96, 97, 102, 103, 104, 105, 107,
 108, 109, 111, 112, 113, 114, 136, 137,
 153, 160

motivation, 1, 27, 68, 87, 95, 96, 97, 105,
 161, 163

Nation, 4, 7, 8, 23, 25, 67, 69, 70, 72, 117, 130
 neuroanatomical circuits, 11, 30, 44, 51, 52,
 65, 88, 101, 108, 110, 114

neuroimaging, 5, 6, 21, 42, 43, 44, 45,
 109, 115

neuron, 11, 21, 30, 47, 49, 50, 51, 52, 53, 54,
 55, 56, 57, 61, 62, 64, 65, 86, 88, 114,
 117, 119, 154

neurotransmitter, 4, 47, 49, 50, 55, 56, 57, 64,
 88, 91, 117, 148, 150, 163

non-mesial region, 14, 19, 25, 28, 31, 33, 34,
 35, 37, 38, 41, 42, 44, 52, 62, 72, 77,
 85, 88, 109, 148, 153, 163

phase (learning / development), 15, 44, 62, 63,
 65, 73, 83, 86, 87, 88, 91, 95, 96, 97,
 106, 108, 133, 153, 161, 162

phoneme, 3, 4, 7, 8, 9, 10, 11, 12, 14, 16, 17,
 18, 20, 21, 22, 23, 25, 27, 28, 29, 31,
 32, 33, 34, 35, 37, 38, 39, 40, 43, 44,
 48, 50, 52, 60, 67, 68, 69, 70, 71, 72,
 73, 74, 75, 76, 77, 78, 79, 80, 81, 82,
 83, 84, 85, 86, 87, 90, 91, 93, 94, 96,
 97, 98, 99, 101, 103, 104, 105, 107,
 108, 109, 110, 113, 115, 117, 123, 124,

127, 128, 130, 137, 138, 143, 144, 145,
 146, 147, 153, 154, 157, 160, 162, 163

phonological loop, 6, 10, 12, 13, 14, 15, 22,
 23, 26, 27, 28, 29, 30, 31, 32, 33, 34,
 35, 37, 38, 41, 44, 45, 46, 48, 51, 62,
 65, 70, 71, 72, 73, 74, 76, 78, 79, 83,
 85, 86, 88, 89, 91, 94, 95, 101, 109,
 110, 113, 115, 117, 123, 128, 130, 137,
 138, 142, 143, 153, 154, 157, 160, 162

phonological similarity, 3, 4, 11, 12, 18, 27,
 51, 60, 74, 75, 82, 85, 87, 106, 117,
 143, 144, 146, 147, 152, 156

proficiency, 44, 66, 70, 71, 83, 87, 97, 103,
 104, 105, 106, 110, 133, 137, 143, 145,
 148, 153, 161, 163

prosody, 16, 32, 53, 54, 83, 98, 99, 100

protein, 46, 47, 55, 56, 57, 61, 64, 65, 91

Pulvermüller, 21, 51, 72, 114, 140

recall, 2, 4, 5, 7, 10, 13, 14, 23, 25, 31, 32, 35,
 36, 37, 39, 41, 42, 43, 44, 49, 50, 51,
 52, 57, 58, 59, 62, 63, 64, 65, 70, 71,
 72, 75, 77, 80, 81, 82, 85, 103, 104,
 109, 116, 117, 118, 120, 121, 122, 123,
 124, 125, 126, 133, 137, 141, 142, 143,
 146, 147, 148, 150, 151, 153, 154, 155,
 157, 163

record, 4, 10, 11, 12, 14, 15, 17, 18, 22, 23,
 25, 27, 28, 29, 30, 31, 32, 33, 34, 35,
 36, 37, 38, 39, 40, 41, 42, 49, 50, 52,
 58, 59, 60, 62, 64, 65, 70, 71, 75, 80,
 85, 88, 93, 108, 109, 125, 126, 130,
 142, 147, 148, 151, 152, 154, 157, 163

rehearsal, 10, 12, 14, 15, 18, 21, 22, 25, 26,
 27, 28, 29, 32, 33, 34, 35, 37, 38, 53,
 57, 69, 71, 72, 73, 75, 76, 78, 79, 83,
 84, 85, 87, 88, 89, 90, 93, 94, 98, 99,
 104, 107, 108, 109, 110, 117, 128, 137,
 138, 143, 151, 156

repetition, 2, 6, 11, 13, 18, 24, 29, 37, 53, 55,
 56, 58, 60, 71, 78, 116, 117, 118, 119,
 121, 122, 123, 124, 125, 129, 130, 138,
 141, 142, 143, 144, 150, 151, 152, 153,
 154, 155, 156, 161, 163

Robinson, 1, 26, 30, 69, 130, 153

Schütze, 3, 13, 130, 131, 140, 141, 142, 150,
 153, 155

senses, 4, 6, 10, 11, 12, 14, 15, 18, 23, 26, 28,
 30, 31, 34, 35, 36, 37, 44, 46, 51, 52,
 53, 59, 75, 88, 130, 147, 148, 150, 152,
 154, 163

short-term gains, 2, 5, 58, 116, 118, 125, 126,
 133, 141, 142, 152, 163

Singer, 11, 30, 52, 53

Singleton, 15, 70, 96	
Skehan, 1, 2, 6, 19, 26, 30, 70, 83	
sleep, 71, 118, 119, 120, 122	
spacing expanded, 11, 13, 60, 121, 122, 123, 124, 130, 131, 132, 133, 140, 141, 142, 152, 153, 154, 155, 163	
spacing interval, 6, 13, 24, 29, 60, 67, 78, 116, 117, 121, 124, 125, 126, 132, 142, 156	
spacing uniform, 11, 13, 60, 121, 122, 123, 124, 130, 131, 132, 133, 140, 141, 142, 152, 153, 154, 155, 163	
specific language impairment, 37, 38, 99	
speech accuracy, 70, 71, 86, 95, 97, 105, 117, 153	
speech fluency, 70, 71, 86, 95, 97, 117, 153	
speech complexity, 70, 71, 86, 95, 97, 105, 117, 153	
synapse, 4, 11, 12, 13, 14, 47, 49, 50, 51, 52, 55, 57, 58, 59, 60, 61, 62, 64, 65, 75, 78, 88, 91, 94, 96, 116, 123, 125, 130, 147, 148, 154, 155, 163	
uniform, 11, 13, 60, 121, 122, 123, 124, 130, 131, 132, 133, 140, 141, 142, 152, 153, 154, 155, 163	
Wernicke, 6, 14, 27, 28, 30, 31, 33, 34, 35, 37, 41, 44, 46, 47, 51, 65, 72, 86, 95, 98, 99, 101, 109, 138, 140, 142, 147, 153, 160, 162	
word length, 4, 11, 12, 27, 51, 60, 74, 75, 82, 85, 87, 106, 117, 139, 143, 144, 152, 156	
working memory, 6, 25, 26, 28, 29, 58, 69, 79, 80, 86, 114, 117, 119	