

Contents

1	The Problem of Definition	1
1.1	Abstract Concepts and Word Meanings: How to Define Them?	1
1.2	Abstraction and Abstractness	3
1.2.1	Abstractness and the Glue of Language	4
1.3	Some Hints from Psycholinguistics	7
1.3.1	Concreteness Effect and Its Accounts	7
1.3.2	Problems in Selecting Abstract Words: Perceptual Strength	8
1.3.3	The Abstractness of Emotions	9
1.3.4	The Problems Highlighted by Psycholinguistics	11
1.4	Abstract and Concrete Words: Dichotomy, Continuum or Other?	12
1.5	Conclusion: Definition is a Hard Job	14
	References	15
2	The WAT Proposal and the Role of Language	19
2.1	The WAT Proposal, in a Nutshell	19
2.2	Some Reasons Why Language is so Important for ACWs	22
2.3	What is Crucial in Language? Sounds, Labels, Explanations?	24
2.3.1	Phonology	25
2.3.2	Auditory Properties	26
2.3.3	Labels	28
2.3.4	Explanations	30
2.4	Which Mechanisms?	31
2.5	Conclusion: WAT and the Scaffolding Role of Language	34
	References	35
3	Embodied and Hybrid Theories of Abstract Concepts and Words	39
3.1	Introduction	39
3.2	Grounding in Action of both Concrete and Abstract Concepts	39

3.3	Differences in Content Between Concrete and Abstract Concepts	43
3.3.1	Situations and Introspective Properties.	44
3.3.2	Emotions	46
3.4	Metaphors.	47
3.5	Multiple Representation View	51
3.5.1	Representational Pluralism: Dove	52
3.5.2	Grounding and Sign Tracking: Jesse Prinz	55
3.5.3	Hybrid Models: Distributional and Embodied Approaches	57
3.6	Conclusions: Many Theories, One Unifying Theory?	63
	References	64
4	Word Learning and Word Acquisition	71
4.1	Introduction	71
4.2	Social Aspects in Word Learning	71
4.2.1	Cultural Psychology and Vygotsky	72
4.2.2	Studies on Testimony	73
4.2.3	Comparative Studies on Apes and Children	75
4.3	Embodiment and Statistics in Word Learning	77
4.4	Hybrid Approaches of Word Learning	79
4.5	Age of Acquisition and Modality of Acquisition	82
4.6	Acquisition of Novel Words in Adults: An Embodied Approach.	83
4.7	Conclusion: A Possible Acquisition Trajectory	90
	References	91
5	What Can Neuroscience Tell Us About Abstract Concepts	95
5.1	Concreteness Effect	95
5.2	Reversed Concreteness Effect in Patients with Deep Dyslexia and Herpes Encephalitis	96
5.3	Neuroimaging of Abstract and Concrete Concepts and Mental Imagery.	97
5.4	Neuroimaging of Abstract and Concrete Concepts and Emotional Valence	102
5.5	Conclusion: Hints from Neuroscience	104
	References	105
6	Language, Languages, and Abstract Concepts.	111
6.1	Introduction	111
6.2	Abstract Concepts and Rich Linguistic Context: Computational Linguistics Evidence	111

6.3	Abstract Concepts and Sign Language: Some Examples from Italian Sign Language	113
6.4	Abstract Concepts and Differences Between Languages	116
6.5	Conclusion: Influence of Language on Abstract Concepts	121
	References	122
	Afterword: A Short Story on Abstract Concepts.	125
	Index	127

Words as Social Tools: An Embodied View on Abstract
Concepts

Borghini, A.M.; Binkofski, F.

2014, XIII, 127 p. 15 illus., 13 illus. in color., Softcover

ISBN: 978-1-4614-9538-3