

Cambridge University Press & Assessment 978-1-009-32708-4 — The Cultural Mind Alex Kozulin Table of Contents More Information

Contents

List of Figures, Tables, and Boxes	<i>page</i> vii
Introduction: The Science of the Cultural Mind	I
1 Mediation	14
Direct vs. Mediated	14
Material Tools as Mediators	16
Symbolic Tools as Mediators	20
Human Mediators	28
Mediation via Activities	39
2 Symbolic Tools and Mental Functions	45
A Quasi-historical Experiment	46
A Simple Grid as a Symbolic Tool	50
Notations: Natural Development or Cultural Construction?	52
Acquisition and Internalization of Symbolic Tools	56
Symbolic Tools and Problem-Solving	57
Symbolic Tools for Rigorous Mathematical Thinking	62
Symbolic Tools in Foreign Language Learning	68
Conclusion	70
3 Leading Activity and Child Development	72
Infancy: Direct Emotional Contact with the Caregiver	73
Toddlers and Young Children: Object-Centered Joint Activity	77
Preschool Age Period: Sociodramatic or Make-Believe Play	82
Elementary School Age: Formal Learning as a Leading Activity	86
Adolescents: Interpersonal Interaction as a Leading Activity	94
Adulthood: Work as a Leading Activity	98
4 Learning Potential	IOI
What Is Hidden in the Standard Tests?	IOI
Learning-Based Assessment	102
Learning Potential Assessment Formats	104
Group Learning Potential Assessment	106



Cambridge University Press & Assessment 978-1-009-32708-4 — The Cultural Mind Alex Kozulin Table of Contents More Information

vi	Contents	
	The Range of Learning Potential	108
	Graduated Prompts	IIO
	Learning Potential Assessment: Scripted or Flexible?	II2
	Learning Potential and Cognitive Modifiability	115
	The Facet Design of Learning Potential Assessments	117
	Adaptive Assessment	120
	Response to Intervention	125
	Relationships between Learning Potential Assessment and Intervention	127
	Formative Assessment	130
5	Cognitive Education and Concept Formation	133
	From Retrospective to Prospective Education	133
	Thinking Skills Programs: Stand-Alone vs. Infusion	135
	Instrumental Enrichment as a Paradigm of the Cognitive Education Program	138
	Cognitively Oriented Preschool Curriculum	145
	Preschool Program and Cognitive Control	149
	Cognitively Oriented School-Age Programs	150
	Education for Concept Formation	155
	Teaching in the Zone of Proximal Development	160
	Cognitive Education and Teacher Training	163
Сс	onclusion: Connecting the Dots	168
Re	ferences	173
Inc	dex	181