Contents

PART I. The Development of Intelligence and Drawing Ability in Children

Chapter	1.	Some Problems Concerning Children's Drawings The Plan of This Book	3 3 6
Chapter	2.	Developmental Semiotics The Subject Matter of Developmental Semiotics	11 11
		Piaget's Theory of Mental Development	12
Chapter	3.	The Mental Image	21
·		The Development of the Mental Image	21
		The Computer Metaphor versus the Picture Metaphor	22
		Research on the Mental Image in the USSR	25
		The Role of the Mental Image in the "Function Circle"	28
Chapter	4.	Drawing Development	31
		The Empirical Study of Children's Drawings	31
		Piaget's Experimental Evidence	35
		The Influence of Luquet	38
		Piaget's Three Phases in the Development of Children's	
		Drawings	38
		"Internal Models"—a Special Case of the Image	
		Controversy	41

VIII CONTENTS

Chapter	5.	Drawing in Nursery School Drawing and Writing The First Phase (3-4 years) The Second Phase (4-5 years) The Third Phase (5-6 years)	47 47 48 52 57
Chapter	6.	Grapheme Development	61 61 62 70
PART II.	Cł	hildren's Drawings of Buildings	
Chapter	7.	Introduction to the Study of Children's Drawings of Buildings	75 75 77 86 93 96 117 126
Chapter	8.	Methods of the Central Study General Remarks about the Methods Used The Drawings The Children Scoring the Observations on Children's Drawings Analysis of the Data	145 146 146 147 149
Chapter	9.	Results of the Central Study	157 157 158 164 166 173 182
Chapter 1	10.	Discussion of the Results	197

CONTENTS

	Further Evidence from Two Control Studies on Children's Recognition of Building Types from Pictures	
References		225
ndex		231