

# Contents

**Preface**    **vii**

**Acknowledgements**    **ix**

- 1 What Children Know Before Talking**    **1**
- Models of Development and Developmental Cognitive Science    **2**
  - Object Permanence    **4**
  - Imitation of Facial Expressions    **7**
  - Identification of Voices and Sounds    **7**
  - Matching Touch With Vision    **9**
  - Perception of Number and Causal Relations    **9**
  - Changing Views of Children's Knowledge: A Working Model    **10**
- 2 Communication With Children on Number and Measurement Problems**    **15**
- Conservation as a Theoretical Building Block    **15**
  - Experiments and Language: Conservation of Number as a Starting Point    **18**
  - Explanations for Performance    **25**
  - Towards the Adjudication of Alternative Explanations    **29**
  - Spontaneously Deciding Which One Has More    **32**
  - Recovering Formerly Obscured Capacity in Contemporary Developmental Research    **33**
- 3 Detecting Causality**    **39**
- Causality, Classification and Conversation    **39**
  - Children as Young Scientists    **45**
  - Judgements of Time    **48**
  - Experiments on Children's Knowledge of Health and Illness    **50**
  - Understanding Contagion and Contamination    **54**

<b>4</b>	<b>Representing Objects and Viewpoints</b>	<b>63</b>
	Seeing and Knowing	63
	Understanding the Mental World	67
	A "Theory of Mind" in the Child?	68
	Distinguishing Between Appearance and Reality	74
	Children's Testimony	79
<b>5</b>	<b>Understanding Persons</b>	<b>85</b>
	The Stage Approach to Children's Concepts of Friendship	85
	Rejected and Non-rejected Children	89
	Culture and Knowledge	94
	Humour Reputation	96
	Gender Concepts	97
<b>6</b>	<b>Authority and Academic Skills</b>	<b>103</b>
	Knowledge of Rationales	104
	Children's Theory of Legitimate Adult Authority	107
	Parental Involvement	112
	Individualised Instruction in Reading and Number: Some Examples	114
	Authority as Complacency?	119
<b>7</b>	<b>Models of Knowledge</b>	<b>121</b>
	Conversational Rules for Knowing Children	121
	Are We Tapping Into a Fraction of Understanding?	124
	The Child in Society	129
	<b>References</b>	<b>135</b>
	<b>Author Index</b>	<b>147</b>
	<b>Subject Index</b>	<b>153</b>