

Contents

1 Innovative Exploration of an Leapfrogging Development Approach to Language Education in the Internet Era	1
1.1 Targets of the Experiment	1
1.2 Overview and Outcomes of the Experiment	1
1.2.1 Stage 1—Initial Formation of Theoretical Method (National Prestige Schools, Specialized Teaching Materials, Internet Environment)	2
1.2.2 Stage 2—Gradual Refinement of Theoretical Method (Provincial Prestige Schools, Common Teaching Materials, Internet Environment)	4
1.2.3 Stage 3—Increasingly Sophisticated Experiment (Ordinary Schools, Common Teaching Materials, Internet Environment)	5
1.2.4 Stage 4—Multilevel Experiment (Rural Schools, Common Teaching Materials, Non-internet Environment)	7
1.3 Major Factors Contributing to the Success of the Experiment.	8
1.3.1 The Internet Provides Rich and High Quality Teaching Materials that Enable Extensive Extended Reading.	8
1.3.2 Isolation and Separation of Character Recognition, Reading and Writing in Traditional Teaching is Altered—The Three are Integrated Dynamically in the Information Technology Environment, Achieving the Important Reform of “Use-centred” Language Teaching	9
1.3.3 Breaking Through the Restrictions of Traditional Concepts to Promote Innovation in Education Theory. Attempts to Integrate Training in Language Ability and Thinking Ability (Especially Creativity Thinking) in Junior Primary School Grades.	11
Reference.	12

2	Practices of Innovative Exploration in Language Teaching: Questioning the “Stage Theory of Children’s Cognitive Development”	13
2.1	Summary of Piaget’s “Stage Theory of Children’s Cognitive Development”.	13
2.1.1	Sensori-Motor Level (Piaget 1952; Pi 1977; Li 1999).	14
2.1.2	Pre-operational Level (Piaget and Inhelder 1964, 1954)	16
2.1.3	The Stage of Concrete Operations (Piaget 1953, 1950).	19
2.1.4	The Stage of Formal Operations (Piaget 1941, 1946–1969, 1946–1970, 1948).	21
2.2	Contributions of Piaget to Theories of Children’s Cognitive Development.	24
2.2.1	Insisting on a Dialectical Materialism View on Cognitive Development, Opposing the Idealist and Mechanical View.	24
2.2.2	Pioneering in the Introduction of Researches in Children’s Psychogenesis into Epistemology, Giving a Seminal Contribution to the Establishment of “Genetic Epistemology”	25
2.2.3	Pioneering in Revealing the Existence of Stratification in Children’s Cognitive Development, and Providing Precise Descriptions to the Development of Some Stages.	26
2.2.4	Creating a Complete and Unique Research Method for Children’s Cognitive Development.	27
2.3	Thinking Theory Researches: Challenges to Piaget’s Criteria for Dividing “Children’s Cognitive Development Stages”	27
2.3.1	Piaget’s Criteria in Dividing “Children’s Cognitive Development Stages”	27
2.3.2	Major Principles for Setting the Division Criteria of Children’s Cognitive Development Stages	29
2.3.3	Comments on Piaget’s Division Criteria of “Children’s Cognitive Development Stages”	30
2.4	Practices of Education Reform: Questioning Piaget’s Division of “Children’s Cognitive Development Stages”	36
	References	48
3	New Theory of Children’s Thinking Development.	49
3.1	Background of the New Theory of Children’s Thinking Development.	49
3.2	Basic Contents of the New Theory of Children’s Thinking Development.	52
3.3	Implications of the New Theory of Children’s Thinking Development for Language Education Reform	56
3.3.1	Conclusions Regarding Mother Tongue Learning Deduced Directly from Piaget’s Stage Theory of Children’s Cognitive Development	56

3.3.2	The Conclusions of Mother Tongue Learning Deduced Directly from Piaget’s Stage Theory of Children’s Cognitive Development are not objective, realistic and scientific.	57
3.3.3	The Serious Negative Impact that Piaget’s Stage Theory of Children’s Cognitive Development has produced on Chinese Language Education in Our Country.	59
3.3.4	Theoretical Support of the New Theory of Children’s Thinking Development for the Leapfrogging Development Approach in Language Education	60
3.3.5	The Scientific Quality and Validity of the Theoretical Support that the New Theory of Children’s Thinking Development Provides to Accelerated development in Language Education.	67
	References	68
4	Innovative Language Education Theory Based on the New Theory of Children’s Thinking Development	69
4.1	The Education Ideology of the Innovative Language Education Theory	69
4.2	The Education Concepts of the Innovative Language Education Theory	70
4.3	The Instructional Design of the Innovative Language Education Theory	73
4.3.1	Handling the Four Relations Correctly	73
4.3.2	Conducting the Five Teaching Activities Seriously	75
4.4	The Teaching Approaches of the Innovative Language Education Theory	77
4.4.1	Language Teaching Approach of Junior Primary School Grades (Dual Principal Teaching Approach)	77
4.4.2	Language Teaching Approach of Middle and Senior Primary School Grades.	83
4.5	The Teaching Methods and Strategies of the Innovative Language Education Theory	91
4.5.1	Teaching Methods and Strategies of the Teacher-Directed Section	91
4.5.2	Teaching Methods and Strategies of the Student-centred Section	93
	References	93
5	The Study of Psychological Model and Teaching Approaches in Primary School Composition	95
5.1	Major Existing Problems in Composition Teaching	95
5.1.1	Value “Knowledge” Over “Ability”	96
5.1.2	Value “External” Over “Internal” Stimulation	97

5.1.3	Value “Writing” Over “Speaking”	98
5.1.4	Value “Rationality” Over “Sentiments”	98
5.1.5	Value “Content” Over “Situation”	99
5.2	The Psychological Model of Primary School Students at Composition	100
5.2.1	The Psychological Models of Special Topic Composition	100
5.2.2	Phase of Material Selection	105
5.2.3	Phase of Conception in Writing	108
5.2.4	Phase of Language Expression and Refinement	114
5.2.5	The Psychological Models of Picture Description Composition (Including Oral and Written Descriptions)	115
5.3	Exploration of Composition Teaching Approach for Primary Students	116
5.3.1	Three-Dimensional Models of Composition Teaching Goals	116
5.3.2	Three-Dimensional Composition Teaching Approaches	118
5.3.3	The Six Key Elements in Achieving the Goals of Three-Dimensional Composition Teaching	118
5.4	The Evaluation Systems of Composition Teaching	130
5.4.1	Evaluation System of Picture Description Composition Teaching	130
5.4.2	Explanation of the Evaluation System of Picture Description Composition Teaching	130
5.4.3	Evaluation System of Special Topic Composition Teaching	130
5.4.4	Explanation of the Evaluation System of Special Topic Composition Teaching	136
5.5	About the Psychological Models and Teaching Approaches of Composition of Secondary Students	136
	References	136
6	Cultivation of Creative Thinking in Language Education	139
6.1	The Crux of Current Language Education: Smothering Creative Thinking	139
6.1.1	Overemphasizes the Instrumental Aspect of Language Subjects While Neglecting Their Humanistic Aspect	140
6.1.2	Overemphasizes Standardized Examinations, Smothers Students’ Creative Thinking	141
6.1.3	Overemphasizes Training in Writing Skills While Neglecting Cultivation of Observation Skills and Imagination	142
6.2	Rectifying the Understanding of the Relationship Between Language and Thinking	144
6.2.1	Language Determinism (Chang 1990)	144
6.2.2	Unity of Language and Thinking (Wang 1988)	145
6.2.3	Thinking Determinism (Gui 2001)	146

6.2.4	Scientific Understanding of the Relationship Between Language and Thinking	148
6.2.5	Scientific Understanding of the Relationship Between “Language and Thinking”—The Relationship Between “Element and System”	152
6.3	The Significance of a Correct Understanding of the Relationship Between Language and Thinking to Language Education.	154
6.3.1	Cultivation of Intuitive Thinking Should No Longer Be Neglected	155
6.3.2	Cultivation of Language Ability Should No Longer Be Confused with that of Thinking Ability	155
6.3.3	Different Types of Teaching Methods and Strategies Should Be Used for Different Types of Thinking Abilities’ Cultivation	156
6.3.4	The Three Basic Forms of Human Thinking Should No Longer Be Viewed as Isolated and Separated.	157
6.4	Rectifying Our Understanding of Creative Thinking.	158
6.4.1	Five Mistakes the Current Education Circle Have Made in Their Understanding of Creative Thinking	158
6.4.2	The Six Elements of Creative Thinking	162
6.5	The Five Focuses of the Cultivation of Creative Thinking.	163
6.5.1	Focusing on the Cultivation of Divergent Thinking.	163
6.5.2	Focusing on the Cultivation of Intuitive Thinking	166
6.5.3	Focusing on the Cultivation of Imagery Thinking	169
6.5.4	Focusing on the Cultivation of Logical Thinking	171
6.5.5	Focusing on the Cultivation of Dialectical Thinking	172
	References	174
	Appendices: Language Education Reform Based on the New Theory of Children’s Thinking Development	177
	Appendix 1: Primary School Language Education Based on the New Theory of Children’s Thinking Development.	177
	Appendix 2: Extended Reading of the Leapfrogging Development Experiment on Primary School Language Education.	193
	Appendix 3: Cultivation of Creative Thinking in the Leapfrogging Development Experiment on Primary School Language Education.	207
	Appendix 4: Samples of Instructional Designs of the Leapfrogging Development Experiment in Primary School.	221