Contents

1	**Introduction**		1
	1.1	Theory, Research, and Practice	1
		1.1.1 Games in CALL	4
		1.1.2 A Brief History	5
	1.2	Gamefulness: A Framework for the Use of Games in L2TL	8
		1.2.1 Game-Enhanced L2TL	8
		1.2.2 Game-Informed L2TL	9
		1.2.3 Game-Based L2TL	10
		1.2.4 Gameful L2TL	11
	1.3	Purpose of the Book and Outline of Chapters	12
2	**Learnful L2 Gaming**		19
	2.1	Who Plays Digital Games and Why?	20
	2.2	Games in Other Languages	25
		2.2.1 Games as Cultural Artifacts	27
	2.3	Informal Game-Enhanced L2 Learning in the Wild	30
		2.3.1 Data and Procedures	31
		2.3.2 Results	34
		2.3.3 Discussion and Implications	39

2.4 Conclusion: Gaming 42
2.5 Project Ideas 42

3 Play 45
3.1 What Is Play? 46
3.2 Play and Language Play 49
3.3 Caillois' Forms of Gameplay 54
3.3.1 Agon 55
3.3.2 Alea 57
3.3.3 Mimicry/Simulation 58
3.3.4 Ilinx 60
3.4 From Play Forms to Play Styles 62
3.4.1 A Grain of Salt 65
3.5 From Play Styles to Gameful L2 Learning Preferences 67
3.5.1 Motivation 68
3.5.2 Learning Styles 69
3.5.3 Learning Strategies 72
3.6 Conclusion: Play 73
3.7 Project Ideas 74

4 Game 77
4.1 Game as Rules, Narrative, and Media 78
4.1.1 Game as Rules/Gameplay as Agency 79
4.1.2 Game as Narrative/Gameplay as Identity 82
4.1.3 Game as Media/Gameplay as Community 84
4.2 Game Type: Formats, Genres, and Elements 87
4.2.1 Game Formats 87
4.2.2 Digital Game Genres 90
4.2.3 Game Elements: Mechanics, Dynamics, Behaviors, and Other Features 94
4.3 Conclusion: Game 98
4.4 Project Ideas 99

5 **Gameful L2 Learning** 101
5.1 SLA and Gameful L2 Learning 102
5.1.1 A Structural-Behaviorist View of Gameful L2 Learning 104
5.1.2 A Psycho-Cognitive View of Gameful L2 Learning 106
5.1.3 Social-Informed Perspectives on Gameful L2 Learning 108
5.1.4 Ecological Perspectives on Gameful L2 Learning 111
5.2 Affordances for Gameful L2 Learning 113
5.2.1 Contextualized Language Learning 116
5.2.2 Time for L2 Use and Learning 120
5.2.3 Spaces for Sheltered Practice 122
5.2.4 Goal-Oriented Learning and Feedback 124
5.2.5 Opportunities for Languaging and Social Collaboration 126
5.2.6 Identity Work and Play 129
5.2.7 Time/Place (In)Dependent Learning 132
5.2.8 Autonomous, Extramural Learning 135
5.3 Conclusion: Learning 137
5.4 Project Ideas 138

6 **Game-Enhanced L2TL** 141
6.1 Pedagogical Mediation 142
6.2 Evaluating and Choosing a Game 145
6.2.1 Affordances 146
6.2.2 CALL Appropriateness 148
6.2.3 Play Preferences and Dispositions 151
6.2.4 Conclusion: Evaluating and Choosing a Game 152
6.3 Frameworks for Game-Enhanced Activity Design 153
6.3.1 Gaming Literacies 153
6.3.2 Game Discourses and Functions 155
6.3.3 Narrativization 158
6.3.4 Experiential Learning 159

6.3.5 Bridging Activities 160
6.3.6 Conclusion: Frameworks 162
6.4 A Guide to Game-Enhanced L2 Instruction 164
6.4.1 Evaluating and Choosing the Game 164
6.4.2 Project Design and Implementation 166
6.4.3 Sample Projects 169
6.5 Conclusion: Game-Enhanced L2TL 171
6.6 Project Ideas 171

7 Game-Informed L2TL 173
7.1 Implications from Research for Game-Informed L2TL 174
7.1.1 Contextualized Language Learning 174
7.1.2 Time for L2 Use and Learning 175
7.1.3 Spaces for Sheltered Practice 176
7.1.4 Goal-Oriented Learning 176
7.1.5 Languaging and Social Collaboration 177
7.1.6 Identity Work and Play 179
7.1.7 Time/Place (In)Dependent Learning 179
7.1.8 Autonomous, Extramural Learning 181
7.1.9 Conclusion: Game-Informed Implications for L2TL 181
7.2 Gamification: Overview 182
7.3 Elements of Gamification 186
7.4 Conclusion: Game-Informed L2TL 190
7.5 Project Ideas 191

8 Game-Based L2TL 193
8.1 Overview 194
8.2 Implications from Research for L2 Educational Game Design 199
8.2.1 Contextualized Language Learning 199
8.2.2 Time for L2 Use and Learning 200
8.2.3 Spaces for Sheltered Practice 201
8.2.4 Goal-Oriented Learning and Feedback 202
8.2.5 Languaging and Social Collaboration 204

8.2.6 Identity Work and Play 205
8.2.7 Time/Place (In)Dependent Learning 206
8.2.8 Autonomous, Extramural Learning 206
8.3 Planning a Game for L2TL 207
8.3.1 Play Different Games and Analyze Their Language and Designs 208
8.3.2 Alter or Mod Existing Games 209
8.3.3 Design Simple Analog Game Prototypes, Playtest, and Re-design Them 210
8.3.4 Analyze the Narrative Arcs of Stories 211
8.3.5 Create a Game World 212
8.3.6 Write a Gameful, Interactive Story 213
8.3.7 Design Mazes, Puzzles, and Playgrounds 214
8.3.8 Design Game Tasks, Features, and Win Conditions 216
8.3.9 Design Screen Mockups, Storyboards, and Decision Trees 217
8.3.10 Conclusion: Planning a Game 218
8.4 Conclusion: Game-Based L2TL 220
8.5 Project Ideas 221

9 Researching Gameful L2TL 225
9.1 Evaluating Research 226
9.1.1 Research Purpose, Questions, and Orientation 227
9.1.2 Research Design and Parameters 228
9.1.3 Theoretical and Methodological Frameworks 230
9.1.4 Language, Participants, and Context 231
9.1.5 Game Type 233
9.2 Designing Research 235
9.3 An Example of Gameful L2 Learning Research: The Role of Involvement in Game-Enhanced L2 Vocabulary Learning 239
9.3.1 Research Problem and Background 240

9.3.2 Theoretical Framework and Research Questions 243
9.3.3 Research Design 244
9.3.4 Results and Discussion 247
9.3.5 Implications for the Next Iteration 251
9.4 Conclusion: Research 254
9.5 Project Ideas 255

10 Conclusion 257
10.1 Summary of Key Points 258
10.2 Into the Future 262
10.3 Final Thoughts 265

List of Games Mentioned 267

Appendix. Suggested readings 273

References 279

Index 301