# TABLE OF CONTENTS

Chapter 1: Blurring the boundary between mathematics and the everyday… 1  
1.1 Policy on shifting the mathematics-everyday and teacher-learner boundaries…… 3  
1.2 Key questions for the study……………………………………………………………………6  
1.3 When the boundary between mathematics and the everyday is blurred……………… 8  
1.4 Conclusion ……………………………………………………………………………………27  
1.5 Organization of the study……………………………………………………………………..27

Chapter 2: Developing a framework to capture blurred boundaries…………………30  
2.1 Theoretical framework a priori ……………………………………………………………….31  
2.2 Theoretical framework a posteriori …………………………………………………………39

Chapter 3: Methodological issues and search for space ……………….48  
3.1 Learners’ Perspective Study and my involvement …………………………………………48  
3.2 Techniques and procedures for data collection………………………………………..54  
3.3 Methodological issues………………………………………………………………………59  
3.4 Enhancing validity …………………………………………………………………………..63  
3.5 An opportunistic case study with and interpretative paradigm………………….…….66  
3.6 Benefits and constraints of being a member of a team ………………………………....68

Chapter 4: Other elements in the zoom: School setting and the lessons at Umhlanga …………………………………………………………………………………….74  
4.1 Description of Umhlanga secondary school……………………………………………….75  
4.2 Overview of lessons 1 to 9 ……………………………………………………………………78  
4.3 Message in the lessons and the learners’ voice …………………………………………..96

Chapter 5: Umhlanga target lessons ……………………………………………………99  
5.1 Analysing the worksheet …………………………………………………………………102  
5.2 Analysing classroom events for target lessons …………………………………………..113

Chapter 6: Learners’ perspectives on the everyday: Umhlanga High school …….144  
6.1 What the lessons were about: The learners’ perspectives ……………………………145  
6.2 Learners’ views on the inclusion of the everyday in mathematics…………………..153  
6.3 Reflecting on the learners’ perspectives …………………………………………………158  
6.4 Taking account of the broader context…………..………………………………………..160

Chapter 7: Other elements in the zoom: The school setting and lessons at Umhlanga …………………………………………………………………………………….165  
7.1 Description of Settlers Secondary………………………………………………………….167  
7.2 Descriptions of lessons at Settlers ………………………………………………………….169  
7.3 Voice of the learners and message in the lessons ………………………………………….183

Chapter 8: Settlers’ target lessons: Worksheet and lessons analysis ...............188  
8.1 Analysis of a worksheet……………………………………………………………………190  
8.2 How the worksheet was engaged ………………………………………………………….199
Chapter 9: Settlers learners’ perspectives about the lessons .................................225
9.1 What the lessons were about—Learners’ views.............................................226
9.2 Learners’ views on the inclusion of the everyday ..........................................232
9.3 Reflecting on the learners’ views ...................................................................237
9.4 Taking the context into consideration ............................................................239

Chapter 10: Beyond the learners’ perspectives and the handshakes ......................244
10.1 Beyond the learners’ perspectives ...............................................................245
10.2 Methodological considerations ..................................................................249
10.3 Talking back to policy and literature ............................................................250
10.4 Limitations and recommendations ...............................................................251

List of references ..................................................................................................254