

**Investigating physical science teachers' classroom
use of language during teaching**

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Abstract

Studies have revealed that the teacher's science classroom language plays a critical role in learners' understanding of science concepts. The quality of the teacher's science language impacts on the quality of learning. Learners encounter difficulties with the science classroom language irrespective of whether they are first or second language speakers of the language of instruction. The difficulty of the science language is mainly due to words having different meanings in science as compared to their everyday meanings, and also the foreignness of some science words (Oyoo, 2012). The language in science is therefore distinct from everyday language. In the South African context, the strategies to improve the quality of science education in secondary schools have not included the language. This study focus on the quality of the teachers' science language in physical science classrooms. In this study data was collected by means of lesson observations of participant teachers followed by interview of one of the participant teacher. Two teachers participated in the study, and both teachers were from the same school. One teacher was teaching grade 10 physical science and the other teacher was teaching grade 11 physical science. Content analysis was used to analyse both lesson observation and interview transcripts. The findings from the lesson observation revealed that participant teachers overlooked explanation of some technical words as well as some non-technical words used in science context. The interview with one of the teachers showed an unawareness of the difficulty of the science language as he pointed that there was little difference between the science language and everyday language. The study recommends that there should be teacher development programmes dealing specifically with the language problem in science.

Key Words: South Africa; science language; everyday language:

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Declaration

I declare that this report is my own work and no part of it has been copied from another source (unless indicated as quote). All work, sentences, and paragraphs taken directly from other work have been cited and the reference recorded in the reference list.

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Signature

 27 May 2016

Date

TABLE OF CONTENTS

Abstract	ii
Acknowledgements	iii
Declaration	iv
Table of Contents	v
List of Tables	vii
List of Figures	viii
List of Appendices	ix

CHAPTER ONE: INTRODUCTION

1.1 Background and Context of Study	1
1.2 Rationale	6
1.3 Research Questions	7
1.4 Theoretical Framework	8
1.5 Conceptual Framework	8
1.6 Chapter Summary	9

CHAPTER TWO: LITERATURE REVIEW

2.1 Introduction	10
2.2 What does learning science entail	10
2.3 Conceptual Change	12
2.4 The Role of language	14
2.5 Components of the science language	15
2.5.1 The Technical Component	15
2.5.2 The Non-Technical Component	15
2.6 Difficulty of the science teacher's language	16
2.6.1 Difficulty of the technical science words	16
2.6.2 Difficulty with the non-technical component	17
2.7 Language in South Africa	19
2.8 Role of the teacher	20
2.9 Approach to language problem	24
2.10 Chapter Summary	24

CHAPTER THREE: METHODOLOGY

3.1 Introduction	26
3.2 Research Methodology	26
3.3 Qualitative Research	27
3.4 Observation	28
3.5 Interview	29
3.6 Sampling of participants	31
3.7 Research Rigour	33
3.8 This study	34
3.8.1 Gaining access to the research site	34
3.8.2 Data Collection	37
3.8.2.1 Observation	37
3.8.2.2 Teacher Interview	37
3.8.3 Review of the data collecting process	38
3.9 Data Analysis	38
3.10 Chapter Summary	39

CHAPTER FOUR: DATA ANALYSIS AND DISCUSSION

4.1 Introduction	40
4.2 Data Analysis	41
4.2.1 Observation	41
4.2.1.1 Teacher A	41
4.2.1.2 Teacher B	46
4.3 Findings on teacher participant interview	43
4.4 Discussion	53
4.5 Chapter Summary	54

CHAPTER FIVE: CONCLUSION

5.1 Conclusion	56
5.2 Implications and Recommendations	57
5.3 Limitations	58
5.3.1 Sample	58
5.3.2 Observation	58
5.3.3 Interviews	58
5.4 Reflection on Research	59
References	60

List of Tables

Table 1: Characteristics of a qualitative research	27
Table 2: Teacher's details	33

List of Figures**Page**

Figure 1:

2

LIST OF APPENDICES	Page
Appendix A: Ethics letter	66
Appendix B: GDE approval letter	67
Appendix C: Principal information letter	70
Appendix D: Learner information letter	71
Appendix E: Learner consent form	72
Appendix F: Parent information letter	73
Appendix G: Parent consent form	74
Appendix H: Teacher information letter	75
Appendix I: Teacher consent form	76
Appendix J: Teacher Interview schedule	77
Appendix K: Teacher A lesson observation transcript	78
Appendix L: Teacher A interview transcript	85
Appendix M: Teacher B lesson observation transcript	88