Copyright is owned by the Author of the thesis. Permission is given for a copy to be downloaded by an individual for the purpose of research and private study only. The thesis may not be reproduced elsewhere without the permission of the Author.

IDENTIFYING GIFTEDNESS IN EARLY CHILDHOOD CENTRES

A thesis presented in partial fulfilment of the requirements for the degree of

Master of Education

At Massey University, Palmerston North, New Zealand.

Barbara Ann Allan

ABSTRACT

This study investigated current understanding of giftedness as it relates to NZ early childhood centre settings, in order to produce a teacher-friendly identification tool and to explore the effect of identification on curriculum provision for young children displaying gifted behaviours.

Analysis of international research literature provided an initial source of indicators that could be used by teachers within the specific context of NZ early childhood centres in order to identify gifted behaviours in young children. Academics involved in gifted education and early childhood teachers experienced with gifted young children critiqued an identification instrument based on these indicators. Modifications based on these critiques resulted in an instrument of indicators of gifted behaviours considered relevant to NZ early childhood settings grouped under headings of cognition and language, approach to learning, creativity and social competence. Seventeen early childhood centres, involving a total of 167 children selected on the basis of age, gender, and ethnicity only, trialled the instrument. Seven centres participated in a training workshop previous to trialling the instrument, 10 centres received no pre-trial training.

Focus group interviews revealed that using the instrument increased teachers' understanding and recognition of gifted behaviour, but that participation in a short training session did not increase success in identifying giftedness. Teachers did not show clear understanding of giftedness relating to diverse cultures or negative behaviour. A further phase of the research used unstructured interviews in six individual centres over one month to investigate the impact of identification on provision for gifted children. Teachers expressed a need for support services to assist in catering for gifted young children. The research demonstrated that while the identification instrument was useful to teachers, there are needs for further professional support and extended preservice and in-service training regarding both the diversity of giftedness and the provision of differentiated programmes for gifted young children.

PREFACE AND ACKNOWLEDGEMENTS

I want to thank my supervisors Joy Cullen and Tracy Riley for their patience, support, and guidance throughout this journey. I want to also thank Don McAlpine who first encouraged me to take up the challenge of compiling an identification instrument for the use of early childhood teachers in New Zealand, and Jill Bevan-Brown, Norah Fryer, Roger Moltzen, Neil Reid, Jenny Smith and Shirley Taylor, for their input and encouragement. I also acknowledge the support of Massey University in providing funding to enable this research to be carried out. I am grateful for the assistance of Anneke Visser in organising the transcribing of the numerous tapes, and thanks also to Tracy Beattie and Fiona Anderson for their speedy and skillful transcribing. I wish to also thank the management groups of the centres for giving permission to their teachers to participate in the study.

I am grateful for the time and enthusiasm given by the early childhood centre teachers who participated in this study. I would not have been able to carry out this study were it not for the willingness of these teachers. They took on what for some was a significant commitment of energy both in trialling the identification instrument and in reflecting on their practices, beliefs, and needs with respect to giftedness in young children. I hope the results of this study will lend support to their calls for specialist aid and professional development to allow them to better meet the needs of gifted children in their centres.

To friends, colleagues, parents and other professionals who on hearing of my study provided encouragement, interest, and valuable suggestions, and kept me motivated to complete the work, thank you.

Finally but most importantly, I thank my husband Alex for his support, and my children Samuel, Jessica, Ryan, Sarah, and Celeste who inspired my fascination with the potentials and behaviours of young children.

This work is dedicated to the memory of Sarah Leonie Allan, 1987 - 1992.

CONTENTS

| PRE | FACE AND ACKNOWLEDGEMENTS | iii |
|-----|--|----------|
| CHA | APTER 1 : INTRODUCTION | 1 |
| 1.1 | Objectives of the Study | 1 |
| 1.2 | Terminology | 2 |
| 1.3 | Defining the Young Gifted Child | 2 2 |
| 1.4 | Government Policy and Gifted Children | 6 |
| 1.5 | New Zealand Early Childhood Philosophy and Practice | 7 |
| CHA | APTER 2 : LITERATURE REVIEW | 11 |
| 2.1 | Theories of Giftedness | 11 |
| | 2.1.1 Implications for education | 18 |
| 2.2 | Indicators of Gifted Behaviour | 20 |
| | 2.2.1 Research methodologies | 20 |
| | 2.2.2 Research-based indicators | 25 |
| | Cognition and Language | 26 |
| | Approach to Learning | 26 |
| | Creativity | 27 |
| | Affective and Social Skills | 27 |
| 2 2 | 2.2.3 Extension of the research | 29 |
| 2.3 | Identifying Giftedness | 30 |
| 2.4 | Identifying Socioculturally Diverse Groups Assessment and Evaluation | 36 39 |
| 2.5 | Teachers and the Gifted | 41 |
| 2.7 | Rationale for the Research | 46 |
| 2.1 | Rationale for the Research | 40 |
| CHA | APTER 3 : METHODOLOGY | 50 |
| 3.1 | Methodology Justification | 51 |
| | 3.1.1 Phase One | 51 |
| | 3.1.2 Phase Two | 53 |
| | 3.1.3 Phase Three | 53 |
| 3.2 | Methodological Precedents | 54 |
| 3.3 | Precedent for New Zealand Teacher Instruments | 56 |
| 3.4 | Justification for Not Scoring | 57 |
| 3.5 | Validity and Reliability of the Instrument | 58 |
| 3.6 | The Research Process | 59 |
| | 3.6.1 Phase One – Identification instrument | 60 |
| | Review of the literature | 60 |
| | Construction of draft instrument | 60 |

| | | First draft instrument review by academic expert panel | 60 |
|------------|--------|--|------|
| | | Second draft instrument review by teachers experienced with | . 22 |
| | | gifted children | 61 |
| | 3.6.2 | Phase Two – Testing the instrument | 61 |
| | | Selection of groups to test the trial instrument | 62 |
| | | Selection of target children | 62 |
| | | Structured interviews | 63 |
| | | Analysis of the data | 63 |
| | 3.6.3 | | 64 |
| | | Selection of case studies | 64 |
| | | Unstructured interviews | 64 |
| | | Analysis of the data | 64 |
| 3.7 | Ethica | 1 Procedures | 65 |
| СНА | PTER | 4 : RESULTS AND PRELIMINARY DISCUSSION | 68 |
| 4.1 | Phase | One | 68 |
| 7.1 | | Content themes emerging from expert feedback | 73 |
| | | Additional themes | 75 |
| | 4.1.3 | Summary of Phase One results | 76 |
| 4.2 | Phase | | 77 |
| 4.2 | | Criteria for identification of giftedness | 80 |
| | | Which children were identified? | 86 |
| | 4.2.3 | | 87 |
| | | | |
| | 4.2.4 | Additional emergent themes relating to the use of the instrument | 93 |
| | 4.2.5 | Sub-question 2b | 91 |
| | | Interpretation of wording Indicators to delete | 91 |
| | 4.2.6 | | |
| | 4.2.7 | Indicators to combine | 91 |
| | 4.2.8 | Indicators to split | 92 |
| | 120 | Sub-question 2b | 93 |
| | 4.2.9 | Summary of Phase Two results | 97 |
| 4.3 | | Three | 98 |
| | 4.3.1 | Initial impact of identification | 99 |
| | 4.3.2 | Planning | 99 |
| | 4.3.3 | Accommodating the curriculum for individual needs | 103 |
| | 4.3.4 | Resources | 107 |
| | 4.3.5 | Reactions to gifted children's abilities and interests | 108 |
| | 4.3.6 | Summary of Phase Three results | 110 |
| CHA | APTER | 5 : DISCUSSION | 112 |
| <i>5</i> 1 | 37.1 | | 110 |
| 5.1 | | of an Instrument for Identification | 112 |
| 5.2 | | sity of Giftedness | 114 |
| 5.3 | | cultural Issues | 116 |
| 5.4 | | equences for Planning | 119 |
| 5.5 | Teach | ner Knowledge | 120 |

23,

| 5.6 | Limitations | 123 |
|------------|---|-----|
| CHA | APTER 6 : CONCLUSIONS | 127 |
| 6.1 | Implications for Future Use of the Instrument | 129 |
| 6.2 | Implications for Policy | 131 |
| 6.3 | Implications for Teacher Training | 131 |
| 6.4 | Implications for Future Research | 132 |
| REF | FERENCES | 134 |
| APPENDICES | | 148 |

LIST OF TABLES

| 1 | Interview Questions and Responses Regarding Effect of Trial Instrument on Teacher Understanding and Awareness | 79 |
|---|---|----|
| 2 | Analysis of Identification of Gifted Children Through Using the Instrument | 81 |
| 3 | Categories of Giftedness Identified in Target Children | 88 |
| 4 | Teacher Feedback on the Instrument | 90 |
| 5 | Selection Frequency of Indicators Exhibited to a Gifted Level by the Identified Children, as Chosen by Centres. | 93 |
| 6 | Frequency of Indicators Not Marked at all During Observation of Children Identified by Teacher and Instrument | 96 |
| | LIST OF FIGURES | |
| 1 | The Research Process | 59 |
| 2 | Indicators Selected, Sources and Expert Consensus | 70 |
| 3 | Distribution of Giftedness by Ethnicity | 86 |
| 1 | Distribution of Giftedness by Gender | 87 |

APPENDICES

| A | Invitation to Participate on the Expert Panel | 148 |
|---|---|-----|
| В | Letter to Management Groups | 150 |
| С | Invitation to Teachers to Participate | 152 |
| D | Information Sheet | 154 |
| E | Letter to Teachers Experienced With Gifted Children | 155 |
| F | Brainstormed Indicators From Teachers Experienced With Gifted Children | 156 |
| G | Trial Instrument | 157 |
| Н | Letter to Workshop Teachers | 164 |
| I | Workshop Outline | 165 |
| J | Letter to Non-workshop Teachers | 168 |
| K | Letter to Workshop Teacherss About Topics in Follow-up Interview | 169 |
| L | Follow-up Workshop Teachers' Evaluation Form | 170 |
| M | Post Trial Interview Schedule | 172 |
| N | Informed Consent Form | 174 |
| О | Letter About Informing Parents | 175 |
| P | Notice for Centre Parents / Whaanau | 176 |
| Q | Summary Table of Completed Instruments | 177 |
| R | Teachers' Suggested Changes to Indicators After Instrument Trial | 188 |