
A thesis presented in partial fulfilment of the requirements for the degree of Master of Educational Studies (Mathematics) at Massey University

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ABSTRACT

A large nation-wide survey was carried out to collect data on the extent and nature of programs currently offered to gifted and talented mathematicians in New Zealand secondary schools. Quantitative data was collected on the identification of gifted and talented mathematics students, school-wide policy on the gifted and talented, ability grouping, acceleration and enrichment as well as demographic factors associated with the research variables.

Open questionnaire responses by Heads of Mathematics Departments indicated strong interest in the educational provisions for the gifted and talented. A semi-structured interview was also used with three secondary schools in order to expand upon the issues that had arisen from the postal surveys.

It appears that the situation of the gifted and talented in New Zealand secondary schools is still unsatisfactory. Only 60% of respondents reported having identified gifted and talented students within their school, 32% of respondent schools had a written policy on the gifted and talented, just over a third of respondent schools had no forms of ability grouping and just under a half of the respondent schools did not have an acceleration program. The Development Band Certificate was used in 45% of respondent schools.

The research raises concerns about the lack of well conceived, continuous programs in mathematics available to gifted and talented students in New Zealand secondary schools.
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TABLE OF CONTENTS

ABSTRACT ........................................................................................................ iii
ACKNOWLEDGMENTS ....................................................................................... iv
CHAPTER 1 ......................................................................................................... 10
1. INTRODUCTION .............................................................................................. 10
   1.1 Gifted Education in New Zealand: An Historical Perspective ................. 10
   1.2 Catering for the Gifted and Talented ....................................................... 13
   1.3 Research Objective ................................................................................. 14
   1.4 Definition of Terms ................................................................................ 14
   1.5 Ability grouping ..................................................................................... 15
   1.6 Acceleration ............................................................................................ 16
   1.7 Development Band ................................................................................. 17
   1.8 Overview ............................................................................................... 18
CHAPTER 2 ......................................................................................................... 20
2. LITERATURE REVIEW .................................................................................. 20
   2.1 Identification of the Mathematically Gifted ........................................... 20
   2.2 Mathematically Gifted Girls ................................................................... 25
   2.3 Identification of Mathematically Gifted Students in New Zealand ........... 35
   2.4 The Development Band ......................................................................... 38
   2.5 Acceleration ........................................................................................... 43
   2.6 Ability Grouping .................................................................................... 53
   2.7 Conclusion ............................................................................................. 60
CHAPTER 3 ......................................................................................................... 62
3. RESEARCH DESIGN ....................................................................................... 62
   3.1 Introduction ............................................................................................ 62
   3.2 Data Collection Methods ...................................................................... 63
   3.3 Ethical Considerations .......................................................................... 65
   3.4 Reliability, Validity and Possible Limitations ........................................ 67
   3.5 Limitations ............................................................................................ 69
   3.6 Summary .............................................................................................. 70
CHAPTER 4

4. RESULTS

4.1 Response Rate

4.2 Identification of mathematically gifted students

4.3 School policy on gifted and talented education

4.4 Ability grouping in Year 9

4.5 Acceleration in Years 9 and 10

4.6 Problems with acceleration

4.7 Other subjects accelerated

4.8 Development Band

4.9 Other provisions for gifted and talented mathematics students

4.10 Enrichment/extension programs

4.11 General comments

CHAPTER 5

5. CASE STUDIES OF THREE SECONDARY SCHOOLS

5.1 School A

5.2 School B

5.3 School C

5.4 Conclusion

CHAPTER 6

6. DISCUSSION AND CONCLUSION

6.1 Identification of Gifted and Talented Students

6.2 School Policy on Gifted and Talented Students

6.3 Ability Grouping in Year 9

6.4 Acceleration

6.5 Development Band

6.6 Other Provisions

6.7 Implications of the Study

6.8 Implications for Further Research

6.9 Conclusion

REFERENCES
APPENDICES………………………………………………………………………………………………153
Appendix 1: Questionnaire sent to Heads of Mathematics……………………………………153
Appendix 2: Covering letter sent to Heads of Mathematics ………………………………………………………156
Appendix 3: Topics sent to Heads of Departments in schools for semi-structured interviews……………………………………………………………………………………………………………………………………………………………………157
Appendix 4: American Grade Levels………………………………………………………………………………158
List of Tables

Table 3.1 Percentage of students receiving a scholarship pass .............................................. 26
Table 3.2 Percentage of students receiving an ‘A’ grade ....................................................... 27
Table 4.1 Respondents versus non-respondents by region .................................................. 71
Table 4.2 Respondents versus non-respondents by decile rating ........................................ 72
Table 4.3 Respondents versus non-respondents by school type ........................................... 72
Table 4.4 Respondents versus non-respondents by single sex/co-ed ................................... 73
Table 4.5 Respondents versus non-respondents by school size ........................................... 73
Table 4.6 Identification of gifted students by school size ...................................................... 74
Table 4.7 Identification of mathematically gifted students by decile rating .......................... 75
Table 4.8 Identification of mathematically gifted students by region .................................... 76
Table 4.9 Identification of mathematically gifted students by school type ............................ 76
Table 4.10 Identification of mathematically gifted students by single sex/co-ed .................... 77
Table 4.11 Policy on gifted and talented by school size ....................................................... 78
Table 4.12 Policy on gifted and talented by decile rating .................................................... 78
Table 4.13 Policy on gifted and talented by region .............................................................. 79
Table 4.14 Policy on gifted and talented by school type ...................................................... 79
Table 4.15 Policy on gifted and talented by single sex/co-ed ................................................ 80
Table 4.16 Ability grouping in Year 9 ..................................................................................... 80
Table 4.17 General ability grouping by school size ............................................................... 81
Table 4.18 Mathematical ability grouping by school size ...................................................... 81
Table 4.19 General ability grouping by decile rating ............................................................ 82
Table 4.20 Mathematical ability grouping by decile rating .................................................. 82
Table 4.21 General ability grouping by region ..................................................................... 83
Table 4.22 Mathematical ability grouping by region ............................................................. 84
Table 4.23 General ability grouping by school type .............................................................. 84
Table 4.24 Mathematical ability by school type ................................................................. 85
Table 4.25 General ability by single sex/co-ed ................................................................. 85
Table 4.26 Mathematical ability by single sex/co-ed ........................................................... 86
Table 4.27 Number of students accelerated ......................................................................... 89
Table 4.28 Entry level to the accelerate program ........................................... 89
Table 4.29 Selection criteria for acceleration to School Certificate Mathematics .......... 90
Table 4.30 Criteria for repeating School Certificate mathematics ................................ 91
Table 4.31 Mathematics options available in the senior school .................................. 92
Table 4.32 Problems with acceleration ....................................................................... 93
Table 4.33 Subjects with whole class acceleration (≥ 20) ............................................ 101
Table 4.34 Numbers of students involved in Development Band Certificate .................. 102
Table 4.35 Selection criteria for the Development Band Certificate ............................... 103
Table 4.36 Acceleration versus Development Band ..................................................... 105