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Metacognitive processes in reading

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METACOGNITIVE PROCESSES IN READING

A thesis in fulfilment of the requirements for the award of the degree

DOCTOR OF PHILOSOPHY

from

THE UNIVERSITY OF WOLLONGONG

by

WILLIAM N. WINSER, M.A., M.ED.

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# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>SECTION</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACKNOWLEDGMENTS</td>
<td>vii</td>
</tr>
<tr>
<td>ABSTRACT</td>
<td>viii</td>
</tr>
<tr>
<td>STATEMENT</td>
<td></td>
</tr>
<tr>
<td>CHAPTER 1 - INTRODUCTION</td>
<td></td>
</tr>
<tr>
<td>A working model of metacognition</td>
<td>5</td>
</tr>
<tr>
<td>Goodman's reading theory: a working model</td>
<td>6</td>
</tr>
<tr>
<td>Metacognition in reading</td>
<td>7</td>
</tr>
<tr>
<td>Research questions</td>
<td>8</td>
</tr>
<tr>
<td>Significance of the study</td>
<td>9</td>
</tr>
<tr>
<td>CHAPTER 2 - REVIEW OF LITERATURE</td>
<td></td>
</tr>
<tr>
<td>The concept of metacognition</td>
<td>11</td>
</tr>
<tr>
<td>a. Current research</td>
<td>11</td>
</tr>
<tr>
<td>b. Summary of research on metacognition</td>
<td>26</td>
</tr>
<tr>
<td>Metacognitive development</td>
<td>27</td>
</tr>
<tr>
<td>Metalinguistic development</td>
<td>37</td>
</tr>
<tr>
<td>Metacognitive and metalinguistic processes applied to reading</td>
<td>51</td>
</tr>
<tr>
<td>CHAPTER 3 - DESIGN</td>
<td></td>
</tr>
<tr>
<td>Overview of design</td>
<td>58</td>
</tr>
<tr>
<td>Subjects</td>
<td>59</td>
</tr>
<tr>
<td>Instruments</td>
<td>61</td>
</tr>
<tr>
<td>a. Verbal reports from oral and silent reading</td>
<td>61</td>
</tr>
<tr>
<td>b. Oral (Miscue) reading analysis</td>
<td>67</td>
</tr>
<tr>
<td>Data collection procedures</td>
<td>76</td>
</tr>
<tr>
<td>a. Preparation for collecting the verbal reports</td>
<td>76</td>
</tr>
<tr>
<td>b. Pilot study of the form of the question</td>
<td>77</td>
</tr>
<tr>
<td>c. The texts read</td>
<td>78</td>
</tr>
<tr>
<td>d. Collecting the protocols and the oral reading</td>
<td>80</td>
</tr>
<tr>
<td>Data Coding</td>
<td>87</td>
</tr>
<tr>
<td>a. Identifying the exchange structure of the protocols</td>
<td>87</td>
</tr>
</tbody>
</table>
b. Transcription of protocols 89
c. Coding the data from the Miscue Taxonomy 89
d. Coding the verbal reports (Think Alouds: TAs) 90
e. Categories resulting from the TA data 93

Silent reading examples 95
Oral reading examples 97

TA Taxonomy statements 103
Checking the reliability of the TA taxonomy 110

Metalinguistic categories in the TA protocols 111
   a. Linguistic description (Type I) 113
   b. Quoting from text (Type II) 113
   c. Developing a taxonomy for the analysis of the language awareness responses Type I 116
   d. Analysis of language awareness responses Type II - quotations from the text 121
   e. Checking the reliability of the language categories in the Type I taxonomy - Linguistic description 124

Analysis and use of statistics 130

CHAPTER 4 - RESULTS AND DISCUSSION

Triangulation of the data sources 132

Section I - Miscue taxonomy data analysis: results and discussion 133

Discussion of categories 140
   a. Category 1 140
   b. Category 2a 140
   c. Category 2b 141
   d. Category 3 142
   e. Category 4a 143
   f. Category 4b 143
   g. Categories 5 and 6 143
   h. Category 7 144
   i. Category 8 144

Summary of results 144

Section II - Think aloud data derived from the Think Aloud Taxonomy 146

Oral-silent reading protocols: data differences in the TAs 147

Grouping the Taxonomy categories 154

Results and discussion: categories A - H 158
   a. Category A: Read on 158
b. Category B: Sound out 158

c. Category C: Infer 159

d. Category D: Re-read 160

e. Categories E - H 160

Summary of A - H data 161

Results and discussion: Categories I and J 163

a. Relation between I and J 163

b. Results and discussion: category I 164

i. Developmental pattern 164

ii. Proficiency differences 165

c. Results and discussion: category J 165

i. Developmental pattern 166

ii. Proficiency differences 168

d. A comparison of category I and category J results 170

Examining results according to strategy use 172

a. Frequency of use 174

b. Beliefs about reading 177

c. Grouping strategies by frequency 178

d. Grouping by functional type 179

e. Summary 180

Concluding discussion of TA results 182

a. Data source 182

b. Data types 184

c. The taxonomy 184

i. Individual categories 184

ii. Strategy use patterns 186

iii. Usefulness of the TA taxonomy 188

d. Summary 189

Section III - Metalinguistic aspects 192

Issues involved in reporting about language 192

Language responses Type I - Linguistic description 192

a. The categories of the linguistic description responses 195

i. Category I.1 - Word 195

ii. Category I.2 - Clause 197

iii. Category I.3 - Discourse 198

iv. Categories II and III 200

v. Readers’ concept of language 201

b. Analysis of developmental trends and proficiency differences 201
CHAPTER 5 - CONCLUSIONS

The convergence of the data.

a. Does metacognition develop? 225
b. Explaining the development of metacognition 227
c. The relation of metacognition to reading 229
d. Clarifying the concept of metacognition.
   i. What is revealed by the verbal reports 231
   ii. Insights into metacognition 234

Summing up the findings 238

Some cautions and continuing problems. 240

Generalising from this data. 241

Educational implications: awareness and school learning. 243

Suggestions for further study 246

REFERENCES 247

APPENDIX 255

Texts used for silent reading 255

Note

Transcripts of readers' Think Aloud protocols have been bound separately and are available on request.
LIST OF FIGURES AND TABLES

Figure 1 - Taxonomy for Miscue Corrections
Figure 2 - Hierarchy of awareness
Table 1 - Resume Task in relation to other strategies
Figure 3 - Summary of Think Aloud Taxonomy
Figure 4 - Summary of language awareness responses
Type I - Linguistic description
Figure 5 - A taxonomy for the language awareness responses
Type I - Linguistic description
Figure 6 - List of readers' categories for language used in the reliability check
Table 2 - Miscues classified as not corrected, by semantic acceptability and grade (percentages)
Table 3 - Miscues classified as corrected, by semantic acceptability and grade (percentages)
Table 4 - Miscues classified as unsuccessful corrections, by semantic acceptability and grade (percentages)
Table 5 - All correction types of miscues, by grade (percentages)
Table 6 - TA frequencies from the silent reading: taxonomy response types by grade (percentages)
Table 7 - TA frequencies from the oral reading: taxonomy response types by grade (percentages)
Table 8 - TA frequencies from the combined oral and silent readings: taxonomy response types by grade (percentages)
Table 9 - Total frequency of use of each TA strategy, rank order and highest and lowest users
Table 10 - Total use of metalinguistic taxonomy categories (percentages)
Table 11 - The language awareness data: Type I- Linguistic description (percentage frequencies of Type I data by grade)
Table 12 - The language awareness data: Type I- Linguistic description (frequencies of Type I data by grade)
Table 13 - Range of language categories used in the linguistic description taxonomy
Table 14 - Frequencies of Type II data (quotations) by grade (percentages)
Table 15 - Frequencies of Type II data (quotations) by grade
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ABSTRACT

How learners gain an understanding of and control over the task of reading is the question that was examined in this study, by reference to the notion of metacognition. When this notion is applied to reading it is possible to explore readers' knowledge of and control over their reading processes. A related question is whether there is any pattern of development over a broad age range, from early school years to adulthood. A final issue that was investigated was the effect metacognitive processes may have on reading processes.

To examine the development of metacognition in reading forty readers were studied, with equal numbers of 2nd, 4th, 6th, 8th grade and adults; each of these subgroups was divided equally according to reading proficiency. All readers read a complete narrative text orally; this reading was taped and their reading analysed using the Reading Miscue Inventory. They were asked to 'think aloud' about their processes in correcting miscues, and were asked to do the same at five points during a silent reading of a similar text.

The correction patterns and the protocols were analysed and revealed extensive evidence of readers' awareness of and control over their reading. Younger readers were not significantly less aware than older readers, but the less proficient were less flexible and less capable of utilising appropriate strategies to remedy comprehension problems. It was shown that there was an important link between metacognition and reading. Finally, there was a significant change over time in readers' understanding of language and this was strongly related to their reading proficiency.
This thesis contains no material which has been accepted for the award of any other degree or diploma in any University, and, to the best of my knowledge and belief, this thesis contains no material previously published or written by another person, except when due reference is made in the text of the thesis.

William N. Winser