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"Jake just does scribbles but I do pictures."

Drawing self-efficacy and the messages four to nine-year-old children give and receive about their drawing

Rosemary D. Richards
2003
“Jake just does scribbles but I do pictures.”

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ABSTRACT

This study investigates the drawing self-efficacy of 136 four to nine-year-olds and the messages they gave and received about their art. Participants responded to a 36-question questionnaire, informed by Bandura's self-efficacy theory (1986). Thirty-five children were interviewed, and 48 were observed. Analysis of the questionnaires revealed that drawing self-efficacy scores ranged from low to high. Over half of the sample had quite high to high drawing self-efficacy. Statistical analyses revealed no significant differences in terms of gender or year levels. However, the Gender by Year Level interaction effect for drawing self-efficacy was statistically significant. The greatest effect size occurred between boys and girls at year four level where boys scored over 1 standard deviation unit lower than the mean, and at new entrant level where boys scored almost 1 standard deviation unit lower than the mean. At the year two level the boys were almost three-quarters of a standard deviation unit above the mean.

Analyses revealed significant differences for subscales on preferences, levels of difficulty, emotional responses, vicarious experiences, and effort and persistence. Data for preferences showed that girls were more likely to choose art activities than boys, and year two children showed the highest preference for art activities while kindergarten children showed the lowest. At the same time there was a general trend towards a decline in drawing confidence as the year levels increased, as shown by responses to items on levels of difficulty. Overall, drawing was an emotionally positive experience except at year four level, where the boys where over one standard deviation unit lower than the mean. Year two children had the highest emotional responses to drawing and year four children had the lowest. Findings suggested that younger children responded more positively to vicarious experiences than older children, believing themselves capable of drawing competently if others could. New entrant girls showed the highest level of effort and persistence, and year four boys the lowest. In general, friends, family and teachers gave positive messages to children about their drawings.

Some children linked drawing competency with reading ability and data revealed a statistically significant Reading Age by Year Level interaction effect for drawing self-efficacy. Data suggests that at years two and three there was a positive
relationship between high reading age and drawing self-efficacy scores. In year four the
inverse was observed. However, statistically significant contrasts were not identified.

Several themes and messages emerged from observations and interviews. In the
kindergarten proportionally more girls than boys engaged in art activities. Self-selected
interactions in both sites favoured same-sex groupings, and in general girls commented
more positively about each other’s drawings than boys did. Regardless of gender,
children with high drawing self-efficacy appeared more confident and gave and
received more positive messages than children with lower drawing self-efficacy.
Children commented on scribbling and linked drawing to reading and writing abilities.
Teachers did not comment about the right and wrong ways to draw, but children
measured success by external rewards and by criteria applied to other curriculum areas.
Children were critical of each other’s drawings and at times the teacher’s neutral
comments were re-interpreted as negative comments. Emotional responses to art were
also linked to patterns of friendship. Children, at all levels, emphasised effort over
ability as a reason for success with drawing. Children who had a reputation for drawing
specific topics often displayed higher drawing self-efficacy than age peers, and by year
three the issues of ownership of ideas and copying were apparent. At both sites children
provided a greater source of verbal persuasion than teachers. The teachers were positive
at all times, although they tended to praise appropriate behaviour rather than comment
on elements of the drawings. In general children with the highest drawing self-efficacy
were the most resilient to negative messages and experiences.

Findings did not support a strong relationship between teachers’ comments and
levels of drawing self-efficacy. However there was some support for the view that
children’s drawing self-efficacy declines once a child attends school, when gender and
year level are both considered. In this sample the girls had an increase in drawing self-
efficacy when they started school that dropped marginally in year one, but then
continued to increase with age. On the other hand the boys had a drop in drawing self-
efficacy on starting school, that then increased until year two, and then took a sharp
drop. Qualitative data tended to support these findings.

Recommendations for instructional practices in schools and kindergartens
include a focus on participation, theme and inquiry-based programmes, critiquing of
artworks, children teaching children, teacher professional development, and
understanding drawing self-efficacy levels of children.
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CONTENTS

Abstract ........................................................................................................................................ ii
Acknowledgments ........................................................................................................................ iv
Contents ............................................................................................................................................... v

Chapter One: Introduction
1.01 Background to the Study ........................................................................................................ 1
1.02 Commonsense View and Literature ....................................................................................... 4
1.03 Developing a Research Topic .................................................................................................. 6
1.04 Overview .................................................................................................................................. 7

Chapter Two: Literature Review
Self-Efficacy
2.01 Concepts of Self ....................................................................................................................... 9
2.02 Self-Efficacy ............................................................................................................................. 10
2.03 Sources of Self-Efficacy Information ..................................................................................... 11
2.04 Research on Self-Efficacy ........................................................................................................ 13
2.05 The Role of Messages in Self-Efficacy Beliefs ...................................................................... 16
2.05 Summary ................................................................................................................................ 19
Four to Nine-Year-Old Children
2.07 Developmental Characteristics .............................................................................................. 20
Drawing and Art Education
2.08 Research on Art And Realism ................................................................................................. 24
2.09 Research on Approaches to Art Education ............................................................................ 27
2.10 Research Involving Art Linked to Other Curriculum Areas .................................................. 31
2.11 Summary .................................................................................................................................. 32
Research Questions
2.12 Research Questions .................................................................................................................. 33

Chapter Three: Methodology
Research Models
3.01 Research Topic ......................................................................................................................... 35
3.02 Research Model ............................................................... 36
  Fieldwork ............................................................................. 36
  Quantitative and Qualitative Approaches ......................... 38
  Role of the Researcher ....................................................... 38
  Ethics .................................................................................... 38

Questionnaire Development

3.03 Developing A Questionnaire .............................................. 39
  Linking Past Research to the Questionnaire ....................... 39
  Questionnaire Pilot Study ...................................................... 40
  Final Questionnaire ............................................................ 41

Research Methods

3.04 Selection of Participants ................................................... 42
3.05 Researcher-Participant Relationship ................................. 42
  Researching in a Kindergarten and School ......................... 43
  Children’s Rights: Participation and Appreciation .............. 43
  Establishing Safe and Trusting Relationships with Children .. 44
  Alternative Models of Adult-Child Interactions .................. 45

3.06 Nature of the Questionnaire, Interviews and Observations .. 45
  Questionnaire ....................................................................... 45
  Interviews .............................................................................. 46
  Observations ........................................................................ 46

3.07 Reliability and Validity ....................................................... 48
  Scope and Limitations .......................................................... 48
  Triangulation ........................................................................ 48

3.08 Data Analyses ................................................................. 49
  Analyses of Questionnaires ................................................ 49
  Analyses of Interviews and Observations ............................ 49

Chapter Four: Questionnaire Results and Discussion

4.01 Questionnaire Structure .................................................... 50
4.02 Research Questions ........................................................ 50
  Drawing Self-Efficacy Levels .............................................. 51
Chapter Five: Interviews and Observations, Kindergarten Results

5.01 Kindergarten Results.................................................................61
5.02 Social Groupings and Interactions ........................................62
  Gender Participation in Art Activities ........................................62
  Same-Sex Groupings ..................................................................64
  Groupings of Children with a Teacher .......................................65
5.03 Positive and Negative Comments .......................................66
5.04 Children’s Reactions to Comments and Messages ............70
5.05 Comments from Teachers .....................................................73
5.06 Comments and Messages about Scribbling ..........................74
5.07 Comments and Messages about Writing and Drawing ..........75
5.08 Art Activity as a Reward or Punishment ..............................77
5.09 Drawing Topics .....................................................................78
5.10 Strategies Used When Drawing and Making Artworks ........78
5.11 Summary of Themes ...............................................................79

Chapter Six: Interviews and Observations, School Results

6.01 School Results ........................................................................81
6.02 Social Groupings and Interactions ........................................81
  Differences between Kindergarten and School Setting ...........81
  Same-Sex Groupings .................................................................82
  Dominance in the Social Setting .................................................83
# Chapter Seven: Discussion

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.01</td>
<td>Introduction .................................................. 121</td>
</tr>
<tr>
<td>7.02</td>
<td>Sources of Drawing Self-Efficacy Information ............... 121</td>
</tr>
<tr>
<td></td>
<td>Performance Attainment ....................................... 121</td>
</tr>
<tr>
<td></td>
<td>Verbal Persuasion ........................................... 123</td>
</tr>
<tr>
<td></td>
<td>Vicarious Experience ........................................ 124</td>
</tr>
<tr>
<td></td>
<td>Physiological State .......................................... 125</td>
</tr>
<tr>
<td>7.03</td>
<td>Messages and Gender .......................................... 126</td>
</tr>
<tr>
<td>7.04</td>
<td>Messages and Year Levels .................................... 127</td>
</tr>
<tr>
<td>7.05</td>
<td>Messages and Drawing Self-Efficacy Levels ................. 128</td>
</tr>
<tr>
<td>7.06</td>
<td>Findings, Issues and Implications: Kindergarten .......... 128</td>
</tr>
<tr>
<td>7.07</td>
<td>Findings, Issues and Implications: School ................ 131</td>
</tr>
</tbody>
</table>
Chapter Eight: Conclusion

8.01 Introduction ........................................................................................................ 140
8.02 Implications ........................................................................................................ 140
8.03 Recommendations ............................................................................................. 143
8.04 Strengths and Limitations of this Study ............................................................ 146
8.05 Implications for Further Research ..................................................................... 147
8.06 Concluding Comments ....................................................................................... 149

References

References ..................................................................................................................... 150

Appendices

Appendix A: Information Sheets for Children, Parents, B.O.T., & Staff ...158
Appendix B: Questionnaire Consent Forms for Children ........................................... 160
Appendix C: Interview Consent Forms for Children ................................................. 161
Appendix D: Observation Consent Forms for Children ............................................. 162
Appendix E: Consent Forms for Parents or Caregivers ............................................. 163
Appendix F: Consent Forms for Staff .................................................................. 164
Appendix G: Consent Forms for School Board of Trustees .................................... 165
Appendix H: Drawing Self-Efficacy Questionnaire ................................................ 166
Appendix I: Reactions and Behaviour in relation to Self-Efficacy ......................... 171
Appendix J: Sources of Self-Efficacy Information ................................................... 172
Appendix K: Schedule for School Observations ....................................................... 173
Appendix L: Messages and Themes across the Sample ......................................... 174
List of Tables

Table 1. Number of Children Involved in Research Processes ........................................42
Table 2. Descriptive Summary of Responses to Questions about Messages from
Friends, Family and Teachers. .......................................................................................57
Table 3. Summary of Statistically Significant Findings .................................................58