



*Cairo University*

*Educational Studies Institute*

*Curricula & Methods of teaching Dept.*

# **The Effectiveness of Using the Guided Discovery Method Using Pictures in Developing the Writing Skills of the Primary School Students**

*A thesis*

*Submitted for the degree of M.A. in Education*

*(Curricula and Instruction of Teaching English as a foreign  
Language)*

**By:**

***Randa Atef Fayez Amen***

**Supervised by:**

***Dr. Ali Ahmed Madkour***

*Professor of curricula & Methods*

***Ex-Dean***

***Educational Studies Institute***

***Cairo University***

***Dr. Gehan Sedki Al Azab***

*TEFL Lecturer in Curricula &  
Methods Dept.*

***Educational Studies Institute***

***Cairo University***

**2008**

*Cairo University*  
*Educational Studies Institute*  
*Curricula & Methods of teaching Dept.*

## **Approval Sheet**

**Name of the researcher:** Randa Atef Fayez Amen.

**Title of the research** : The effectiveness of using the guided discovery method using pictures in developing the writing skills of the primary school students.

**Degree** : Master.

## **Member of Examination Committee**

- 1. Prof. Dr. Mahmoud Ahmed Shok -- Chef**  
Adjunct Professor of curricula and Methods of teaching, Educational Studies Institute, Cairo University.
- 2. Prof. Dr. Ahmed Madkour -- Supervisor & Member**  
Professor of curricula and Methods of teaching, Educational Studies Institute, Cairo University.
- 3. Prof. Dr. Ali Hussein Hassan -- Member**  
Professor of curricula and Methods of teaching. faculty of Educaton, Beni suef University.



جامعة القاهرة

معهد الدراسات والبحوث التربوية

مناهج و طرق تدريس

# "أثر استخدام طريقة الاكتشاف الموجه باستخدام الصور فى تنمية مهارات الكتابة لدى تلاميذ المرحلة الابتدائية فى مادة اللغة الانجليزية"

رساله مقدمة للحصول على درجة الماجستير فى التربية  
( تخصص مناهج و طرق تدريس اللغة الانجليزية )

إعداد الباحثة:

راندا عاطف فايز أمين

إشراف :

د. جيهان صدقى العزب

مدرس بقسم المناهج و طرق  
تدريس اللغة الانجليزية بمعهد  
الدراسات و البحوث التربوية

أ.د. على احمد مذكور

أستاذ بقسم المناهج و طرق  
التدريس و العميد السابق  
لمعهد الدراسات والبحوث  
التربوية

جامعة القاهرة

معهد الدراسات و البحوث التربوية

مناهج و طرق تدريس

### رسالة ماجستير

أسم الباحثة : راندا عاطف فايز أمين

عنوان الرسالة: "أثر أستخدام طريقة الاكتشاف الموجه بأستخدام الصور فى تنمية مهارات الكتابة لدى تلاميذ المرحلة الابتدائية فى ماده اللغة الانجليزية".

نيل درجة : ماجستير

### لجنة الحكم على الرسالة

١- أ.د. / محمود احمد شوق رئيسا

غير متفرغ بقسم المناهج و طرق التدريس معهد  
الدراسات والبحوث التربوية جامعة القاهرة.

٢- أ.د. / على احمد مذكور مشرفا وعضوا

أستاذ متفرغ بقسم المناهج و طرق التدريس معهد  
الدراسات والبحوث التربوية جامعة القاهرة.

٣- أ.د. / على حسين حسن عضوا

أستاذ المناهج و طرق التدريس كلية التربية جامعة بنى سويف.

# *Acknowledgement*

First and foremost, I would like to thank God who strengthens me to complete this study.

## *My special thanks dedicate to:*

My Supervisor *Dr. Aly Ahmed Madkour*, the professor of curricula& methods, and the Ex-Dean of Educational Studies Institute, Cairo University, for his help, support, and guidance throughout my research. The inspiration that he imbibed in me, and the tirelessly working example that he has set, will help me move forward.

My Supervisor *Dr. Gehan Sedki Al Azab*, lecturer of curricula & methods TEFL, Educational Studies Institute, Cairo University. She has helped me a lot in formulating my research problem carrying it out in a focused manner. I want also to thank her for her valuable comments on my dissertation. It has only been with her assistance that I was able to complete. In summary, I feel fortunate to have had her as supervisor.

The *professors of the educational institutes* and the other lecturers from other universities who helped me throughout this study.

# *Abstract*

The present study entitled as the effectiveness of using guided discovery method using pictures in developing the writing skills of the fifth year primary students. It aimed at investigating the effectiveness of the guided discovery method in developing the EFL writing skills among the fifth year primary school students.

The study followed a pretest-posttest experimental-control group design. The study sample consisted of (60) students from *Omar Makram primary school* in Shobra, at Al-Sahel Educational Zone. The children were divided into two groups: (30) students for the experimental group and (30) students for the control group. For identifying the most important EFL writing skills required for the fifth year primary school students, a writing skills checklist was developed and approved by a jury of EFL curriculum and teaching methods professors and primary stage English language supervisors. Then, a pre-post writing test and a rubric for scoring the writing test were developed. The students in both the experimental and the control group were pre-tested. Then the students of the experimental group were taught through the *guided discovery method*, while the students of the control group were taught in the *traditional method*. Finally, the students in both groups were post-tested using the same writing test.

The study showed that: first, the experimental group outperformed the control group in the post-test of overall writing as well as writing sub-skills. Second, there were statistically significant differences between the mean scores of the pre-test and post-test of the experimental group at (0.01) in overall writing and writing sub-skills in favor of the post-test, and these differences can be attributed to the use of the *guided discovery method with pictures*. Hence, it was concluded that the *guided discovery* method proved to be highly effective in developing the fifth year primary school students' EFL writing skills in the English language.

# Table of Contents:

Contents	Page no.
<b>Acknowledgement.....</b>	I
<b>Abstract.....</b>	II
<b>Table of Contents.....</b>	III
<b>List of Tables.....</b>	VII
<b>List of Figures.....</b>	VIII
<b>CHAPTER 1: <i>Background and the problem</i>.....</b>	1-23
1.1 Introduction:.....	1
1.2 Context of the problem:.....	13
1.3 Statement of the problem:.....	15
1.4 Objectives of the Study:.....	16
1.5 Limitations of the study:.....	17
1.6 Sample of the Study:.....	18
1.7 Tools of the Study:.....	18
1.8 Hypotheses of the study:.....	18
1.9 Significance of the Study:.....	18
1.10 Procedures of the Study:.....	19
1.11 Definition of terms:.....	21
<b>CHAPTER 2 : <i>Review of related Studies</i>.....</b>	24-70
2.1 Section One: <b>Studies conducted on the guided discovery method with pictures</b>	24
(a) <b>Studies conducted on the guided discovery method in general.....</b>	34
(b) <b>Studies conducted on the guided discovery method with pictures...</b>	37
(c) <b>Studies conducted on using pictures with teaching methods.....</b>	42
<b>Commentary.....</b>	46
2.2 Section Two: <b>Studies conducted on the Writing Skills</b>	46
(a) <b>Studies related to the approaches and programs used to develop the EFL writing skills in general.....</b>	54
(b) <b>Studies related to the developing of the sub-writing Skills in particular.....</b>	67
<b>Commentary.....</b>	

<b>CHAPTER 3: <i>Theoretical Background</i> .....</b>	<b>71-151</b>
<b>3.0 Introduction.....</b>	<b>72</b>
<b>3.1 Section One <b>The Guided Discovery Method with pictures</b> .....</b>	<b>72</b>
<b>3.1.1 Discovery learning.....</b>	
3.1.1.1 Definitions of the discovery learning.....	76
3.1.1.2 The Characteristics of discovery learning.....	78
3.1.1.3 The role of the teachers and learners in the discovery learning.....	80
3.1.1.4 Forms of discovery methods.....	83
3.1.1.5 Advantages and disadvantages .....	85
3.1.1.6 Guided Discovery Learning.....	90
<b>3.1.2 Using pictures in Teaching &amp; Learning.....</b>	<b>105</b>
3.1.2.1 Theories that stress the role of eye in writing....	106
3.1.2.2 Levels of reading pictures.....	106
3.1.2.3 Importance of using pictures in general and in the language learning.....	107
3.1.2.4 Problems when using pictures and how to solve.	112
3.1.2.5 Techniques in using pictures.....	113
3.1.2.6 Ways to use picture to practice writing skills...	114
<b>3.2 Section One <b>Writing Skills</b>.....</b>	<b>117</b>
3.2.1 Definitions of Writing.....	117
3.2.2 Some features of writing.....	118
3.2.3 Some key aspects of teaching writing.....	120
3.2.4 Principles of writing.....	121
3.2.5 Micro skills of Writing.....	123
3.2.6 Testing and Correcting Writing.....	129
3.2.7 Approaches of Writing and the Writing process approach.....	135
3.2.7.1 Definitions of the Process approach .....	137
3.2.7.2 Cognitive processes .....	137
3.2.7.3 Features of the process approach within the classroom as shown by Wyse and Russelle...	138
3.2.7.4 The role of teachers and learners.....	139
3.2.7.5 Stages of the process approach.....	142
3.2.7.6 Kinds of instructional activities.....	145
3.2.7.7 Advantages and disadvantages of the process approach.....	148
<b>CHAPTER 4: <i>Method &amp; Procedures</i>.....</b>	<b>152-176</b>
<b>4.0 Introduction.....</b>	<b>152</b>
<b>4.1 Design of the study.....</b>	<b>152</b>

4.2 Subjects of the study.....	152
4.3 The pilot study.....	153
4.4 Tools of the study.....	154
4.4.1 An EFL Writing Skills Checklist.....	154
4.4.2 An EFL writing skills test and a rubric for scoring.....	158
4.5 The guided discovery method & its procedures.....	164
4.3.4.1 Objectives.....	164
4.3.4.2 Content & Duration of the experiment.....	165
4.3.4.3 Techniques for teaching Guided Discovery method	166
4.3.4.3.1 Brainstorming Technique.....	166
4.3.4.3.2 Questioning Technique.....	167
4.3.4.3.3 Semantic Mapping Technique.....	170
4.3.4.3.4 Inductive Technique.....	172
4.3.4.4 Steps for teaching the guided discovery method.	174
<b>CHAPTER 5: <i>Data Analysis &amp; Results</i>.....</b>	177-223
<b>5.0 Introduction.....</b>	177
<b>5.1 Statistical Analysis &amp; results of the result.....</b>	177
5.1.1 Findings of the first hypothesis of the study.	178
5.1.2 Findings of the Second hypothesis of the study	181
5.1.3 Findings of the third hypothesis of the study	184
<b>5.2 Discussion of the results.....</b>	187
5.2.1 Guided Discovery method.....	187
5.2.2 Writing Skills.....	199
<b>5.3 Conclusion.....</b>	218
<b>5.4 Recommendations .....</b>	221
<b>5.5 Suggestions for further studies.....</b>	223
<b>Summary of the study.....</b>	224—
	226
<b>References.....</b>	227
<b>The foreign resources.....</b>	227
<b>The Arabic resources.....</b>	251
<b>Appendixes.....</b>	252
<b>Appendix (A): The Writing skills checklist &amp; names of Jury.....</b>	252
<b>Appendix (B): The pre-post writing test &amp; names of Jury.....</b>	257
<b>Appendix (C): A rubric for scoring the writing test &amp; names of Jury</b>	265
<b>Appendix (D): The Practical Section.....</b>	269
<b>Arabic Summary.....</b>	318

## *List of Tables:*

Table	Title	Page
1.	The major <b>rules, conventions</b> and <b>guidelines</b> helpful to writers as they shape their discourse.	122
2.	Skills that good writers demonstrate.	128
3.	The final form of the writing skills <b>table</b> specifications	160
4.	The <b>timetable</b> of the Experiment.	166
5.	T-test of the <b>pre-test</b> comparing the experimental and the control groups in the overall EFL <b>writing skills</b> .	178
6.	T-test of the <b>pre-test</b> comparing the experimental and the control groups in the EFL <b>writing sub-skills</b> .	179
7.	T-test of the <b>post-test</b> comparing the experimental and the control groups in the EFL <b>writing skills</b> .	181
8.	T-test of the <b>post-test</b> comparing the experimental and the control groups in the EFL <b>writing sub-skills</b> .	182
9.	T-test of the experimental group comparing the pre-test and post-test in the EFL writing sub-skills.	184
10.	T-test of the experimental group comparing the pre-test and post-test in the EFL writing sub-skills.	185

## *List of Figures:*

Figure	Title	Page
1.	The aspects of teaching writing by Hiatt & Rooke	102
2.	The components of well developed written text by Raimes.	124
3.	The components of writing by Clifford.	126
4.	The mean scores of the experimental and the control groups in the pre-test in the overall EFL writing skills.	188
5.	The mean scores of the experimental and the control groups in the pre-test in EFL writing sub-skills.	188
6.	The mean scores of the experimental and the control groups in the post-test in the overall EFL writing skills.	189
7.	The mean scores of the experimental and the control groups in the post-test in EFL writing sub-skills.	189
8.	The mean scores of the pre-test and post-test of the experimental group in the overall EFL writing skills.	190
9.	The mean scores of the pre-test and post-test of the experimental group in the EFL writing sub-skills.	190
10.	The mean scores of the two groups in the pre and post test in the <i>Content Skill</i> : supporting the main topic with relevant details.	201
11.	The mean scores of the two groups in the pre and post test in <i>Grammar: construct sentences accurately (SVO)</i> .	204
12.	The mean scores of the two groups in the pre and post test in <i>Grammar: Use various sentence structures (negative, questions, statements)</i> .	206

13.	The mean scores of the two groups in the pre and post test in <i>Grammar: use present and past tenses correctly</i> .	207
14.	The differences between the mean scores of the two groups in the pre and post test in <i>Grammar: answering questions with different question words</i> .	209
15.	The mean scores of the two groups in the pre and post test in the <i>Organization skill</i> : using coherence devices.	210
16.	The mean scores of the two groups in the pre and post test in the <i>Mechanics</i> : using correct capitalization and punctuation.	212
17.	The mean scores of the two groups in the pre and post test in the <i>Mechanics</i> : spelling words correctly.	213
18.	The mean scores of the two groups in the pre and post test in the <i>Mechanics</i> : use vocabulary related to the specified topic.	215
19.	The mean scores of the two groups in the pre and post test in the <i>Revision Skill</i> : editing a piece of writing for content, spelling, grammar, and punctuation, and punctuation.	216

# Chapter One

## The research problem

# Chapter One

## **The research problem**

### 1.1 **Introduction:**

One of the most living languages in the world is the English language. It has become the premier language whether on the social, political or the educational side. Language is a communication tool. It has four different aspects (Ballard, 2001: 4) namely: Lexis (the words of the language), grammar (the way words are combined into sentences), discourse (the way sentences are combined into texts), and phonology (the sounds and sound patterns of the language). Because of the importance of the English language, many educators paid much effort to raise the student's achievement. This is by developing its curriculum, as El-Okda(1995:5-19) mentioned in his study by bridging the gap between theory and practice. Also by presenting the structures and grammar in sequence, so as to be easy for students to acquire, as in the study of Al-Ghamid (2002:3-18).

English at the primary level helps young learners to learn how to do something efficiently in real situations. It involves acquiring skills such as: reading, writing, listening, and speaking. The goals are related to the kind of learning experience teachers set up and the atmosphere of the language classroom. These goals involve pleasure and confidence in exploring the language. Once these goals are achieved at the primary level, it is important to maintain the content goals which are the main aim of teaching at the preparatory and secondary stages (Mohamed, 1999: 42-43).

There are some general objectives of teaching English at the primary level (Mohamed, 1999: 43) that should be adopted in Egypt as well as some specific ones set by the Ministry of Education in the conference for developing *primary Education curriculum in Egypt in 1993*. The general objectives include:

1. Establishing a favorable attitude and high intrinsic motivation towards language learning in general.
2. Establishing a barrier against negative transfer from the mother tongue to the foreign language.

The specific objectives are:

1. Figure out the spoken and written English language from other languages.
2. Use the appropriate number of the most commonly used vocabulary and basic structures of the English language.

Writing is an important basic skill for our children to acquire. It is a primary medium by which we communicate information and learning (Neil-Hall, 2003: 10). It is a holistic process. It is the output of successive reaction among other skills like: reading, speaking, listening, and thinking. Writing is at the root of every skill (Ibrahim, 2003: 24).

Raimes (1983: 3) mentioned that writing helps our students learn. First, writing reinforces the grammatical structures, idioms and vocabulary that we have been teaching our students. Second when our students write, they also have the chance to be adventurous with the language. Third, when they write, they necessarily become very involved with the new language; the effort to express ideas and the constant use of eye, hand, and brain is the unique way to reinforce learning. As writers struggle with what to put down next and how to put it down on paper, they often *discover* something new to write or a new way of expressing their idea. The close relationship between writing and thinking makes writing a valuable part of any language course. This is also proved by Brookes and Grundy (1998: 7) that writing is an activity made up of several processes, such as: thinking what to write and the order to put them in. Then they add that we write so as to get information to someone we can not presently talk to.