

Universiti Teknologi MARA

**Teaching Human Senses to Standard One
Students' Using Cognitive Theory**

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DECLARATION

I certify that this thesis and the research to which it refers are the product of my own work and that any ideas or quotation from the work of other people, published or otherwise are fully acknowledged in accordance to the standard referring practices of the discipline.

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ABSTRACT

The advent of new technologies brings major changes in our way of life. These advances might not be achievable without knowledge and the key to knowledge is education. Nowadays, researchers are finding new ways in educating people as we are faced with new challenges everyday. Education has been improving a lot compared to years ago. Computers have taken the place as the learning and teaching tool and have been considered as a need rather than a luxury. In parallel with this phenomenon, the usage of multimedia has become common. It has also created a new interest of developing learning strategies to accommodate education integrated in multimedia. In relevant to that, this project concerns with the development of a courseware to teach human senses using cognitive theory. The theory consists of six steps which emphasizes on the learners actively construct their own understanding rather than be a passive recipient of information. The role of a teacher or instructor is to provide guide and support such as corrective feedback which will enable the learner to create accurate mental connections which later builds up knowledge in learner's mind. In developing the project, Multimedia Project Development Cycle which consists of eight phases has been used as the methodology. The target audiences for the project is standard one students who's taking the science subject. The purpose is to create an effective multimedia courseware for teaching human senses. The project has been tested to a group of standard one students along with a few teachers and has received good feedback. It was found that the cognitive theory is suitable in teaching human senses.

TABLE CONTENTS

<u>CONTENT</u>	<u>PAGE</u>
DECLARATION	ii
ACKNOWLEDGEMENT	iii
ABSTRACT	iv
TABLE OF CONTENT	v
LIST OF TABLES	viii
LIST OF FIGURES	viii
 CHAPTER ONE: INTRODUCTION	
1.0 Project Background	1
1.1 Problem Definition	2
1.2 Project Scope	2
1.3 Project Objectives	3
1.4 Project Significant	3
1.5 Summary	3
 CHAPTER TWO: LITERATURE REVIEW	
2.0 Cognitive Theory	4
2.1 Human Senses	6
2.2 Multimedia in education	8
2.3 Advantages of multimedia approach	9
2.4 Children and multimedia	10
2.5 Integration of cognitive theory and multimedia	12
2.6 Summary	13

CHAPTER THREE: THEORETICAL FRAMEWORK

3.0	Cognitive Theory of Multimedia Learning	14
3.1	Design Principles for Multimedia Learning	15
3.1.1	Multimedia Principle	15
3.1.2	The Split-Attention Principle	16
3.1.3	The Modality Principle	17
3.1.4	The Redundancy Principle	18
3.1.5	The Spatial Contiguity Principle	18
3.1.6	The Temporal Contiguity Principle	19
3.1.7	The Coherence Principle	19
3.1.8	The Individual Differences Principles	20
3.2	Summary	20

CHAPTER FOUR: METHODOLOGY

4.0	Define the project	22
4.0.1	Define project boundaries	
4.1	Locate resources	22
4.1.1	Data collection	
4.2	Organize resources	22
4.2.1	Division of resources	
4.3	Design the project	23
4.3.1	Flow of the project and storyboard	
4.4	Develop the project	23
4.4.1	Software requirements	
4.4.2	Hardware requirements	
4.5	Present the project	23
4.5.1	Project testing	
4.6	Revise the project	24
4.6.1	Error corrections and enhancements	
4.7	Publish the project	24