ABSTRACT

NAME OF INSTITUTION : De La Salle University - Dasmariñas

ADDRESS : Dasmariñas, Cavite

TITLE : A CAI in Science for Grade IV of Asunsyon de Maria Mediatrici

AUTHORS : Analyn L. Arieta

Ernalyn P. dela Cruz

FUNDING SOURCE : Parents **COST** : P5,000

DATE STARTED : December, 1997 **DATE COMPLETED** : March, 1998

OBJECTIVES OF THE STUDY :

A. GENERAL

The general objective of this study is to implement a Computer Assisted Instruction software in Science for Grade IV.

B. SPECIFIC

Specific objectives include:

1. to develop a software that is made to cater the needs of Grade IV students
2. to incorporate graphics and sounds that is to the liking of the students
3. to enable teachers and students appreciate computer as a tool for acquiring

knowledge.

SCOPE AND COVERAGE :

This study focuses in Science intended for Grade IV students.

Visual Basic 5.0 will be used in developing this educational software. The proponents wish to use the language to provide end-users more understanding of the science concepts.

This study covers the tutorial and analysis of the performance of students. The tutorial part will focus on basic science and its concept like measuring things, systems of the body, habitats of animals, parts of a flower, seeds, matter, changes in matter, energy, motion, force, work, speed, velocity and planets. Questions will be given on the later part of each lesson to assess the performance of the students. To monitor the performance of the students, records are also included.

METHODOLOGY :

The proponents of the study followed the Waterfall Model in the development of the system. It consists of six sequential steps: (1) System engineering and analysis, (2) Software requirements analysis, (3) Design, (4)

Coding, (5) Testing and (6) Maintenance.

OUTPUT OF THE STUDY :

This study, Computer Aided Instruction in Science is fitted and capable of educating, informing the children and making them aware of truths about their environments and body parts aided with pictures, animations and sounds. Assessing the children through the drills provided, they can go to the next lesson if they passed the drills given every after each lesson and can go back to the previous lesson when they failed to remember something about the lesson . Students can also go back to the previous lesson if he/she fails in the drill.

CONCLUSIONS :

Computer Aided Instructions were developed as supplementary aid for teachers in making their teaching more convenient and easier, but not to replace them.

The system helped the students understand more of the lessons by interacting through the system because of the detailed lessons and quizzes provided.

RECOMMENDATIONS :

The proponents of the study wish to incorporate more lessons in the system which will provide absolute and total learning for the children. Thus, they recommend the next proponents to include more sounds, remarkable pictures and even animations to help the students gain more interests that will lead them to the mastery of the lessons.