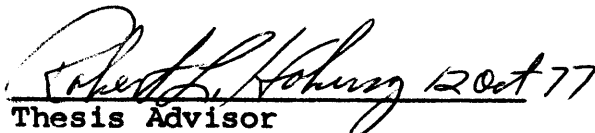


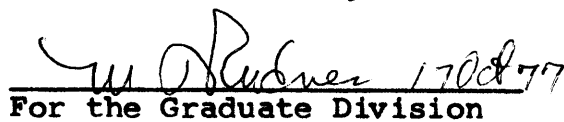
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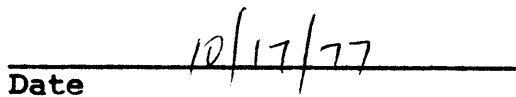
A THESIS
PRESENTED TO THE GRADUATE FACULTY
OF WESTERN CONNECTICUT STATE COLLEGE

by
Joyce H. Hochgesang

IN PARTIAL FULFILLMENT
OF THE REQUIREMENTS FOR THE DEGREE
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Thesis Advisor


For the Graduate Division


Date

THE USE OF COMPUTER ASSISTED INSTRUCTION
TO IMPROVE
BASIC MATHEMATICS SKILLS

by
Joyce H. Hochgesang

A computer assisted instruction program, designed to drill basic mathematics skills, was studied as a means of improving achievement and attitude in the slow learner. A group of eight slow eighth grade students were given ten minutes of computer assisted instruction per day. A similar group of eight students were given ten minutes of teacher assisted instruction per day. This instruction was beyond the classroom time. Analysis was done with a control group to measure improvement in achievement by means of a pretest and posttest and an investigation of classroom marks. Attitude was analyzed by means of an opinionnaire. The results indicated that there was no significant improvement in achievement either by the computer assisted instruction group or the teacher assisted instruction group over the control group. The computer assisted group did show a significant improvement in attitude. The teacher assisted group and the control group showed no improvement in attitude.