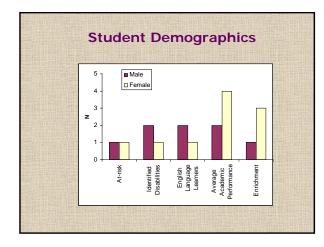
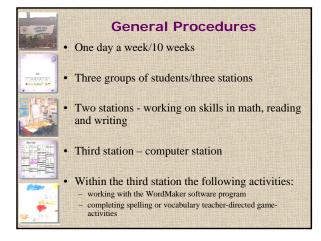


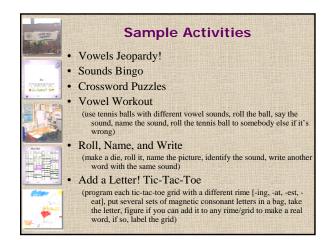


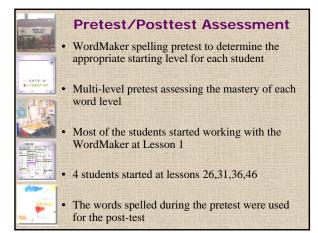
Gender	Ethnicity	Special Services or Abilities
м	Caucasian	At-risk, receives speech and language therapy
м	Hispanic	Developmental disabilities, Previously retained
F	African American	At-risk, receives speech and language therapy
м	Hispanic	English Language Learner
F	African American	Average academic performance, speech and language therapy
м	African American	Average academic performance*
м	Caucasian	Learning disabilities
М	Hispanics	English Language Learner
F	Hispanic	English Language Learner
F	Caucasian	Developmental disabilities
м	African American	Qualifies for Enrichment Program
F	African American	Average academic performance
F	Hispanic	Qualifies for Enrichment Program
F	African American	Average academic performance
F	Caucasian	Average academic performance
М	Caucasian	Average academic performance
F	Caucasian	Qualifies for Enrichment Program
F	African American	Oualifies for Enrichment Program

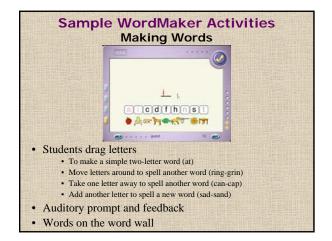


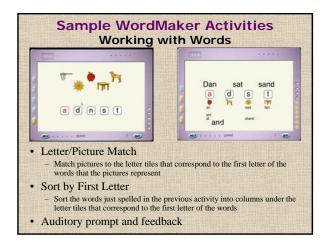
A Revertifi	Methodology
	Categorization of students only for the purpose of research
	• Pretest/post-test to determine the impact of WordMaker software program on first graders with different reading levels
	• Teachers' interviews
	• Students written opinions and drawings about the WordMaker software program

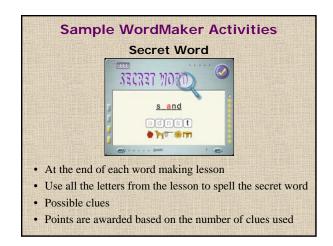


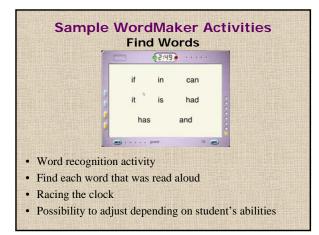


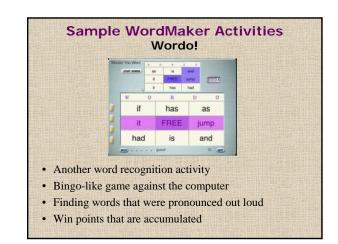


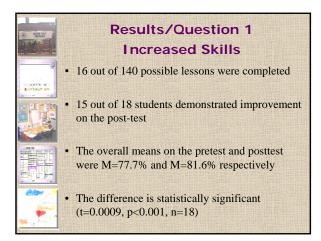


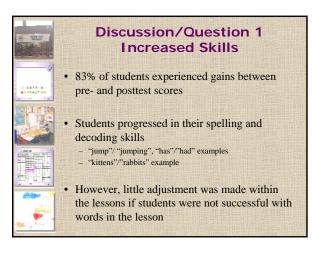


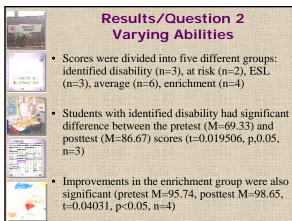


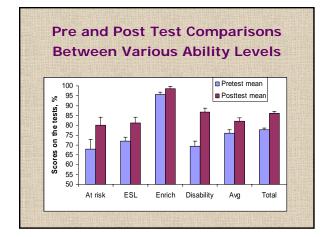


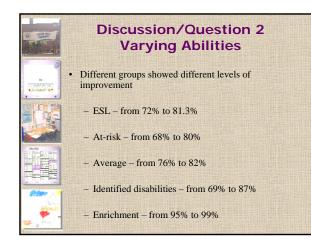


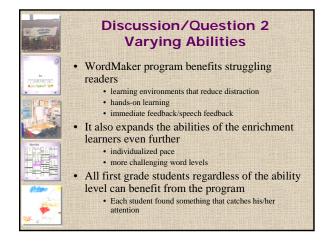


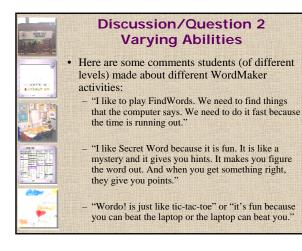












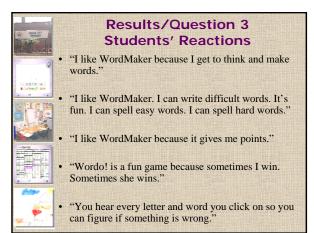


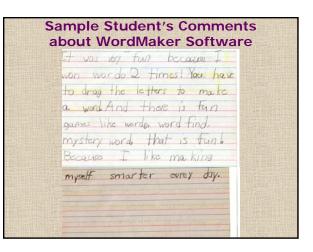
Results/Question 3 Teachers' Opinions

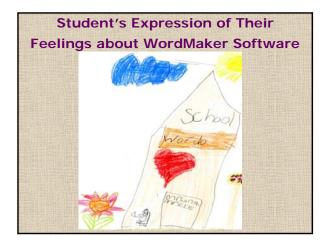
"WordMaker software corresponds well with the first-grade curriculum and provides extra activities for practicing essential first-grade skills."

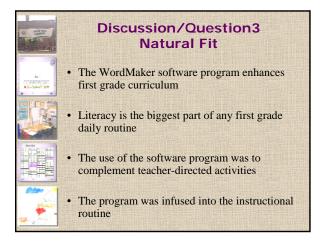
Corresponds to the following competences of the North Carolina Standard Course of Study (NCSCS): 1.01, 1.02, 1.04, 5.01, 5.02.

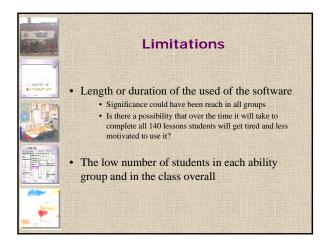
"Regardless of the benefits it would probably be difficult to have every student work with the program every day due to time limitation and computer availability."







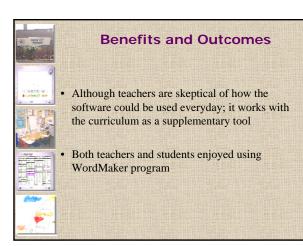






Benefits and Outcomes

- First grade students benefit from using the WordMaker software
- Significant differences in pre and posttest scores for students with identified disabilities and students involved in enrichment programs
- Students benefited from multimedia approach involving hands-on activities of moving letters, engaging graphics and sounds



	Considerations
0	• Time (it's not feasible for every student to use the program every day)
	• Number of computers in the classroom
	 New vs. old computers "It is fun but it is so slow you would never imagine"
	• Has to be a part of the literacy program (implement other components of the Four Blocks Literacy Model)