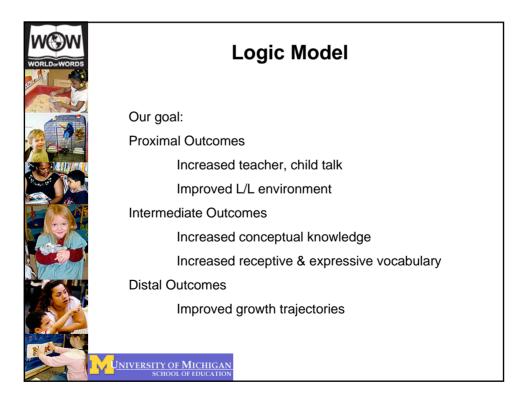


The World of Words (WOW): Enhancing vocabulary and conceptual development for preschool children at risk

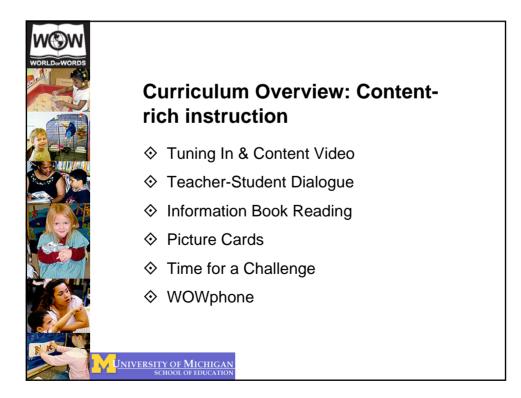
Susan B. Neuman, Principal Investigator University of Michigan

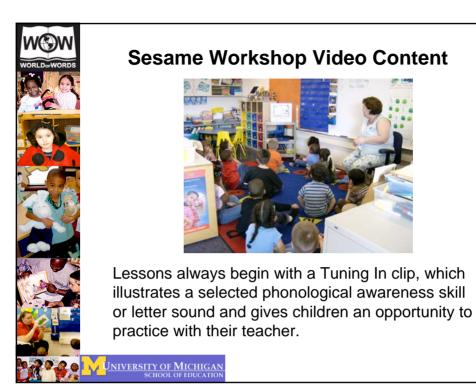
Funded by the Corporation for Public Broadcasting/Public Broadcasting System through the U.S. Department of Education

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Video clips highlight the key concept and related vocabulary. Teachers and children co-view a video segment, engaging in discussion about what they saw and heard in the video.



Teacher-Student Dialogue

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Teachers and students practice words and concepts together, using call and response techniques.



WOW Books



Each day the teacher will read a part of the specially developed information book designed to use words and ideas from the video, and connect it to children's personal experiences.

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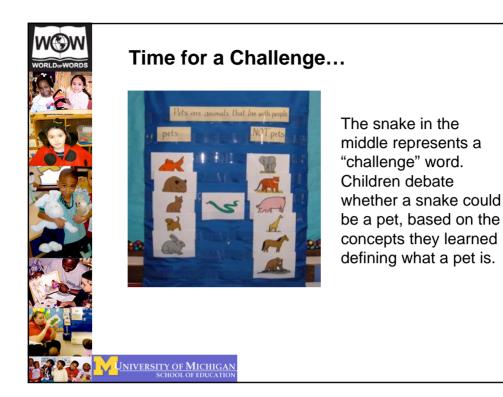


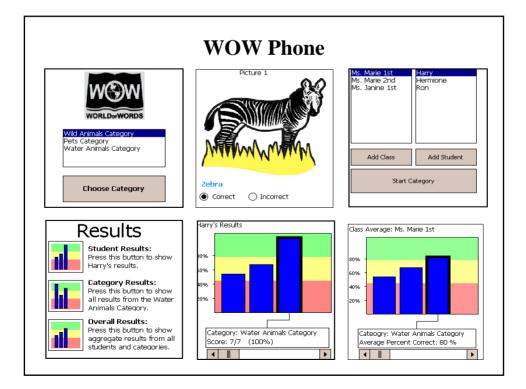
Picture Cards



Picture cards help children learn new ways to categorize their new knowledge and sort new words. Sorting cards created a number of unique opportunities for children to use their new words and concepts.

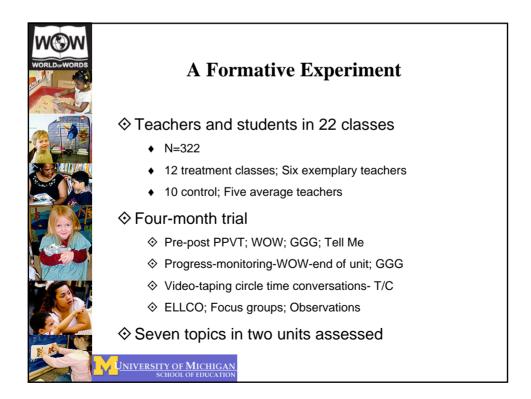
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A Formative Experiment*

- What factors enhance or inhibit the intervention's effectiveness in achieving goals?
- How can the intervention be modified to better achieve goals?
- Have the outcomes been met? Why or why not?
- Qualitative and quantitative evidence







Child Characteristics

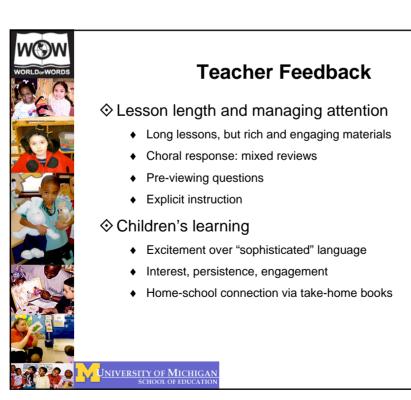
Sample	Ν	Female N	Minority N	Age in Months T1 Mean (SD)
Whole Sample	322	162 (50%)	136 (42%)	51.40 (6.01)
Treatment Only	192	95 (50%)	75 (39%)	52.16 (5.80) ^a
Control Only	130	67 (52%)	61 (47%)	50.62 (6.23) ^a

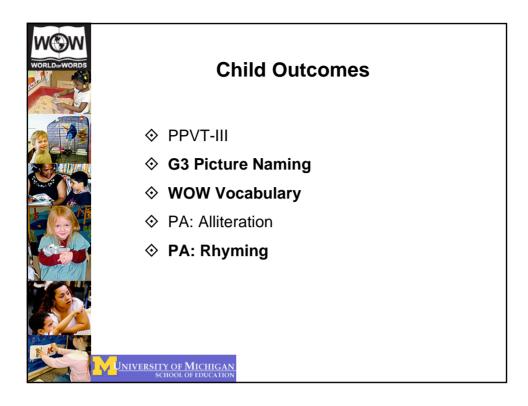
a. Treatment and control groups are significantly different by age; t = -2.27, p < .05.

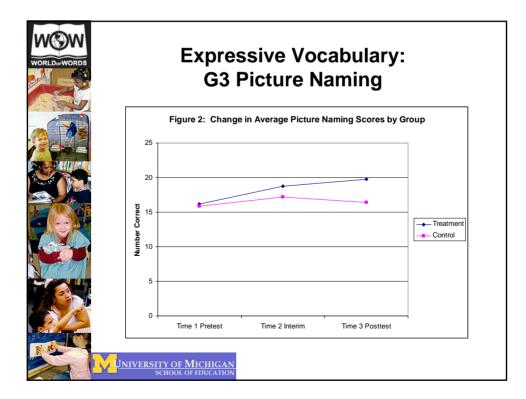
Teacher Characteristics

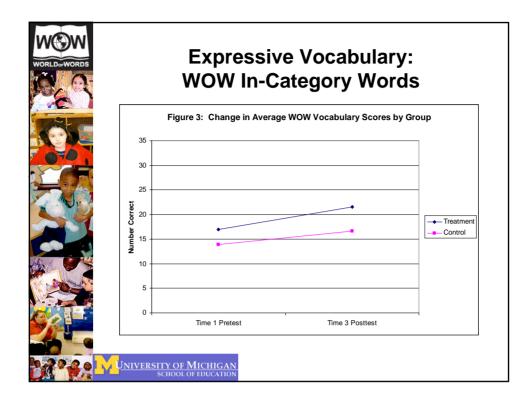
Sample	N	Minority N	Age Mean (SD)	Years Experience Mean (SD)
Whole Sample	13	2 (15%)	39.54 (10.80)	10.31 (7.40)
Treatment Only	7	1 (14%)	43.57 (10.60)	12.14 (9.37)
Control Only	6	1 (17%)	34.89 (9.79)	8.17 (3.97)

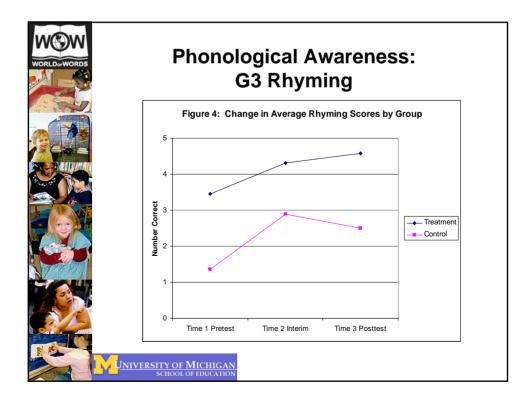
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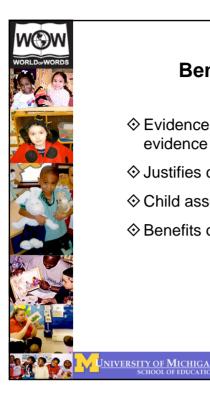












Benefits of Formative Experiment

- Evidence of learning what we taught; no evidence for improved language skills
- ♦ Justifies curriculum; revisions
- Child assessments; refinements
- \otimes Benefits of multimedia

