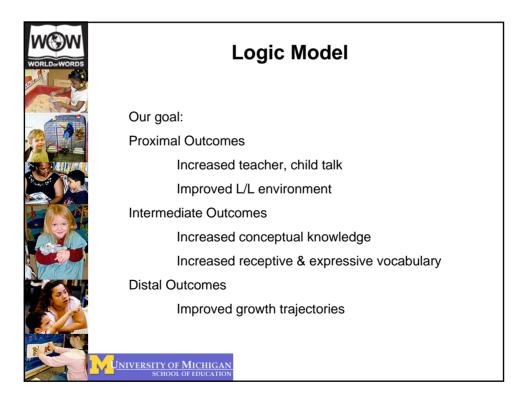


The World of Words (WOW): Enhancing vocabulary and conceptual development for preschool children at risk

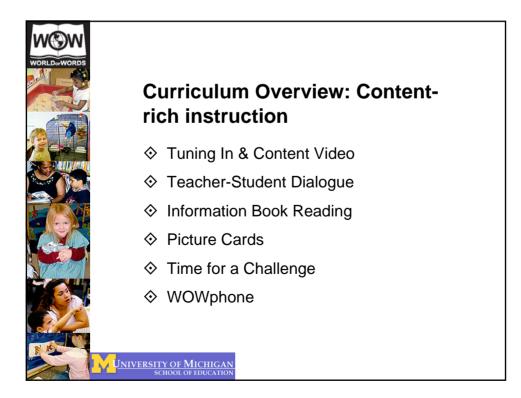
Susan B. Neuman, Principal Investigator University of Michigan

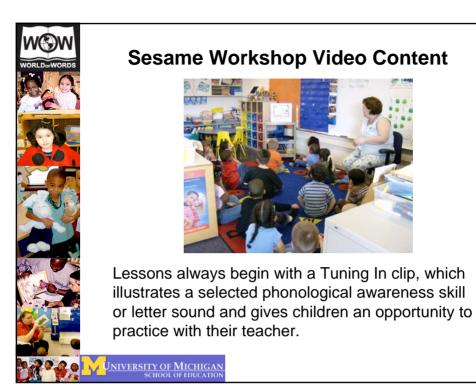
Funded by the Corporation for Public Broadcasting/Public Broadcasting System through the U.S. Department of Education

UNIVERSITY OF MICHIGAN SCHOOL OF EDUCATIO













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

UNIVERSITY OF MICHIGAN SCHOOL OF EDUCATION



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.

School of Education



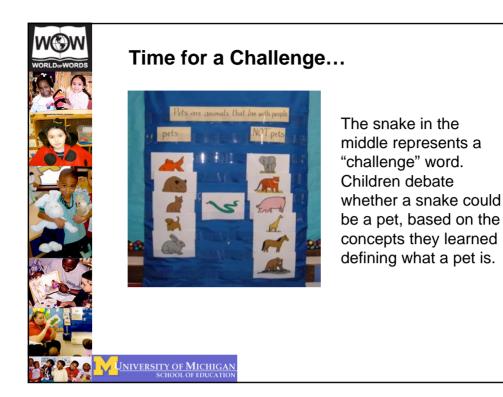


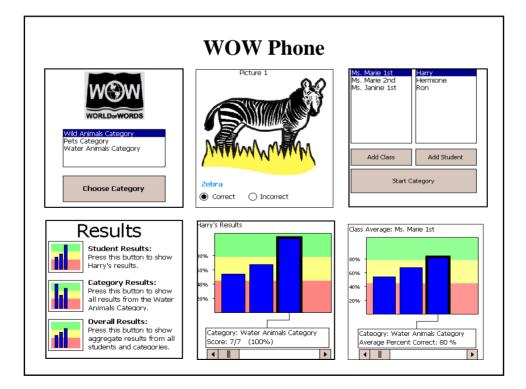
Picture Cards



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.

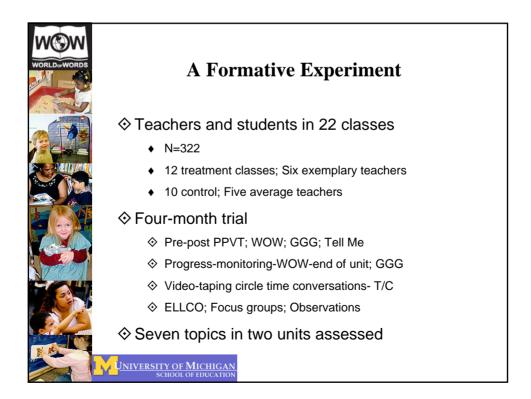
CONTRACTOR SCHOOL OF EDUCATION





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

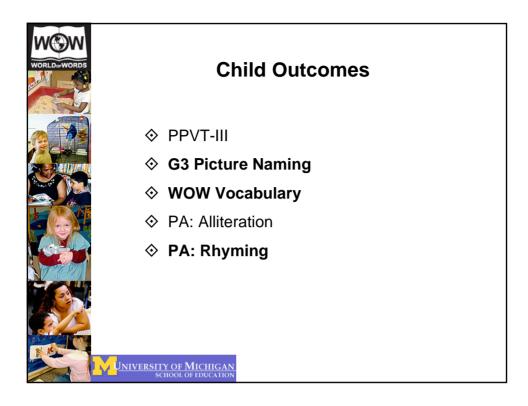
a. Treatment and control groups are significantly different by age; t = -2.27, p < .05.

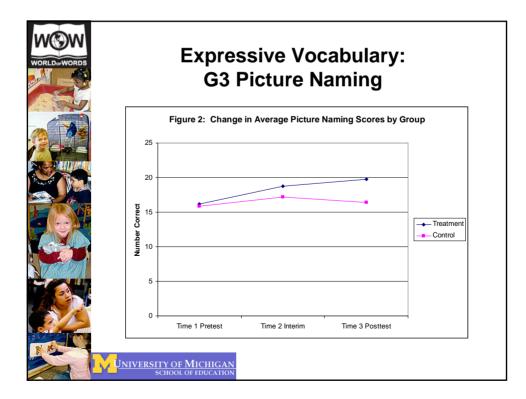
Teacher Characteristics

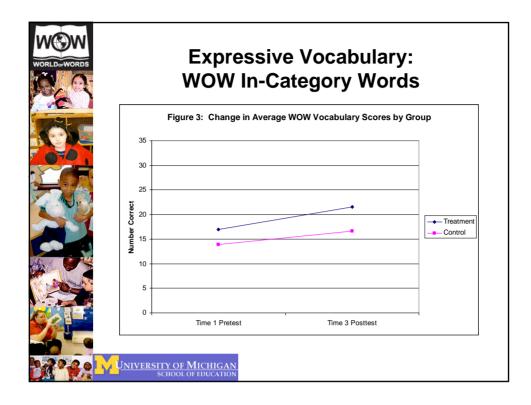
Sample	N	Minority N	Age Mean (SD)	Years Experience Mean (SD)
Whole Sample	13	2 (15%)	39.54 (10.80)	10.31 (7.40)
Treatment Only	7	1 (14%)	43.57 (10.60)	12.14 (9.37)
Control Only	6	1 (17%)	34.89 (9.79)	8.17 (3.97)

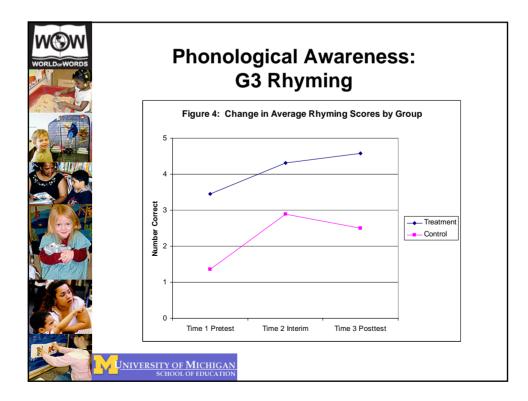
JNIVERSITY OF MICHIGAN SCHOOL OF EDUCATION

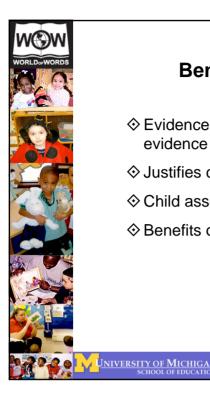












Benefits of Formative Experiment

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

