



Background

- (Pruden, Levine, & Huttenlocher, 2011).
- Mathematics) fields.
- spatial language and spatial skills.

- language in math and science curricula?
- growth?

- preschools.
- 1-15).



Examining the Impact of Early Educator Language on Pre-K Children's Spatial Thinking Using the LENA Software Amanda Costales, Carla Abad, Rosalie Odean, and Shannon M. Pruden Florida International University

Materials



- location/direction terms) and number.

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For more information please visit <u>http://plsd.fiu.edu</u> or contact us at plsd@fiu.edu.

Pruden, S.M., Levine, S.C., & Huttenlocher, J. (2011). Children's spatial thinking: Does talk about the spatial world matter? Developmental Science, 14, 1417-1430.



There is variability in educator conversational turns (M = 1.47; Range = 0.03 - 2.99) and overall tokens (M = 61.30; Range = 11.08 – 91.42) per minute.

Conclusion

Individual differences were found in children's scores in each measure of numeracy, spatial, and vocabulary ability.

Differences in language use in the classrooms, as seen in our LENA data, imply that children across classrooms have access to language of different quality and quantity.

Going forward, we plan to compare children's scores from the Fall to their scores in the Spring according to the quantity and quality of spatial language heard in the classroom.

 We also will transcribe educator language use and code for talk about space (e.g., shapes, sizes, spatial features,

Acknowledgements

References