NT Preschool Maths Games: Impact and Connection

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Acknowledgement of Country

The Northern Territory Department of Education respectfully acknowledges the Aboriginal people as the traditional custodians of the land on which we meet today.
Connection: Response to calls for support

- *Northern Territory Preschool Curriculum* developed to increase quality and consistency of teaching and learning in NT preschools.
- Underpinned by the EYLF (DEEWR, 2009).
- Sets clear learning targets.
- Early childhood educators seek support in using play as a vehicle for mathematical thinking (e.g. Cohrssen et al. 2013; Opperman, Anders, & Hachfeld 2016; Warren & Quine, 2013).
The NT Preschool Maths Games: Evolution

- Families as First Teachers (FaFT)
- Abecedarian Approach Australia (3a)
- Indigenous Education Review
- NT Preschool Curriculum
- NT Preschool Maths Games
A closer look at the games…
The NT Preschool Maths Games: Impact

- Study conducted in four preschool classrooms
- Intervention and delayed intervention groups
- Workshops with teachers prior to the intervention
- Data collected from children at three points – here we report on the data gathered at t1 and t2 in three classrooms
Impact

Development of **counting abilities** at t1 and t2 for intervention (grey) and delayed intervention group (black), controlled for child age and sex

Cohrssen, C., & Niklas, F. (Under review.) Using mathematics games in preschool settings to support the development of children’s numeracy skills.
Development of **number naming** at t1 and t2 for intervention (grey) and delayed intervention group (black), controlled for child age and sex.
Development of **Applied Problems** at t1 and t2 for intervention (grey) and delayed intervention group (black), controlled for child age and sex.
Thoughts about using the games
Thoughts about using the games
Conclusions

- Mathematical thinking
- STEM skills
- Creativity

Innovation!
Thank you for your interest.

