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INTRODUCTION

- Vocabulary comprehension and production = fundamental aspects of effective communication (Ebbels et al., 2022)
- Children with developmental language disorder (DLD) have difficulty learning, retaining and using vocabulary (McGregor et al., 2020)
- DLD children present a comparatively reduced lexicon compared to their peers without DLD (Nash & Donaldson, 2005)
- → Vocabulary assessment is an integral part of speech-language assessment in DLD

HOWEVER, in French-language assessment tools, there is no validated, computerized tool that includes the same lexical items for naming and designation

- Evaluating both the receptive and productive aspects of lexical items is crucial for ensuring the specificity of the diagnosis (e.g., lexical access difficulties versus lack of vocabulary) (Bragard et al., 2010)
- The integration of digital technology allows for greater standardization of measurements, particularly in encoding response time (Ecalle et al., 2021)

WHAT STEPS HAVE BEEN TAKEN TO ACHIEVE THESE GOALS ?







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To develop a computerized Frenchlanguage tool presenting the same lexical items in naming and designation tasks for children from kindergarten 3 to primary 5

To calibrate the lexical items of these tasks based on Item Response Theory (IRT). IRT creates a continuum on which both individual performance and item difficulty are linked by a probabilistic function. Because of this probabilistic link, it is not necessary to administer the entire item battery to each participant

Illustrations are drawn, in color, and the most prototypical



- a. "pied" = semantic distractor
- b "bras" = semantic distractor
- c. "gâteau" = neutral distractor
- d. "main" = target lexical item
- e. "pain" = phonological distractor

Example of illustrations proposed during the naming task for the "hand" target item

PERSPECTIVES

 L_7

Administration of naming and designation tasks to 300 children (50 children per grade, from KG3 to P5)

Analysis of the children's responses using the IRT, which will allow to assess the participants' ability according to the number of correct responses in relation to the difficulty of the item

SCAN for digital version of poster



Ecalle, L. Bailloud, N., Dujardin, F., & Magnan, A. (2021). Evaluation informatisée du vocabulaire chez les enfants de 8 à bisi-Kelm, T., Eden, N., & Oleson, J. (2020). The word learning profile of adults with developmental language Nash, M., & Donaldson, M. L. (2005). Word Learning in Children With Vocabulary Deficits. Journal of Speech, Language, and Hearing Research, 48(2), 439-458

Ebbels, S. H., Bannister, L., Holland, B., & Campbell, L. (2022). Effectiveness of intervention focused on vocational course vocabulary in post-16 students with (developmental) language disorder. International Journal of Language & Communication Disorders, 57(6), 1334-1353