

University of Groningen

## How hand movements and speech tip the balance in cognitive development

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1. Studying development means studying changes over many interconnected timescales. (this thesis)
2. Understanding cognitive development requires studying complex dynamical systems, coordination dynamics, and affordances. (this thesis)
3. Cognitive understanding, akin to any other motor skill, only exists for a specific child doing a concrete task in a specific environment. (this thesis)
4. If we want to study how children coordinate their hand movements and/or gestures and speech, asking them to explain is imperative. (this thesis)
5. Neither hand movements nor speech are driving or leading cognitive development over the other. (this thesis)
6. We need to apply and combine new methods to discover new things. (this thesis)
7. Writing = Cycling + Meandering
8. There is nothing more practical than a good theory. (Kurt Lewin)
9. It takes a village to raise a child (or two, and to write a thesis).
10. Variability is the law of life [...]. (William Osler)