

SITY A Toolkit to Measure BATTERY Children's Curiosity

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Introduction

- Curiosity is a key driver of information seeking and learning, beginning in early childhood.
- Yet, research on children's curiosity remains fragmented (Grossnickle, 2016).
- There is a **lack of standardized, validated tools** that reflect its multifaceted nature (Jirout et al., 2024).
- Our study aims to develop a comprehensive toolkit to assess individual differences in curiosity among children aged 7–11 years.
- Altogether, the study will lay the groundwork for advancing curiosity as a measurable and impactful educational target.

Methods

Scoping Review

- We are conducting a scoping review of existing measures of curiosity for children aged 0-12 years (Prenevost et al., 2024).
- Based on the result, we will select measures to incorporate in our task battery.

Pilot Testing

 We will pilot test novel tasks where needed, based on mapping of measures from the literature onto the taxonomy of curiosity facets.

Psychometric Properties

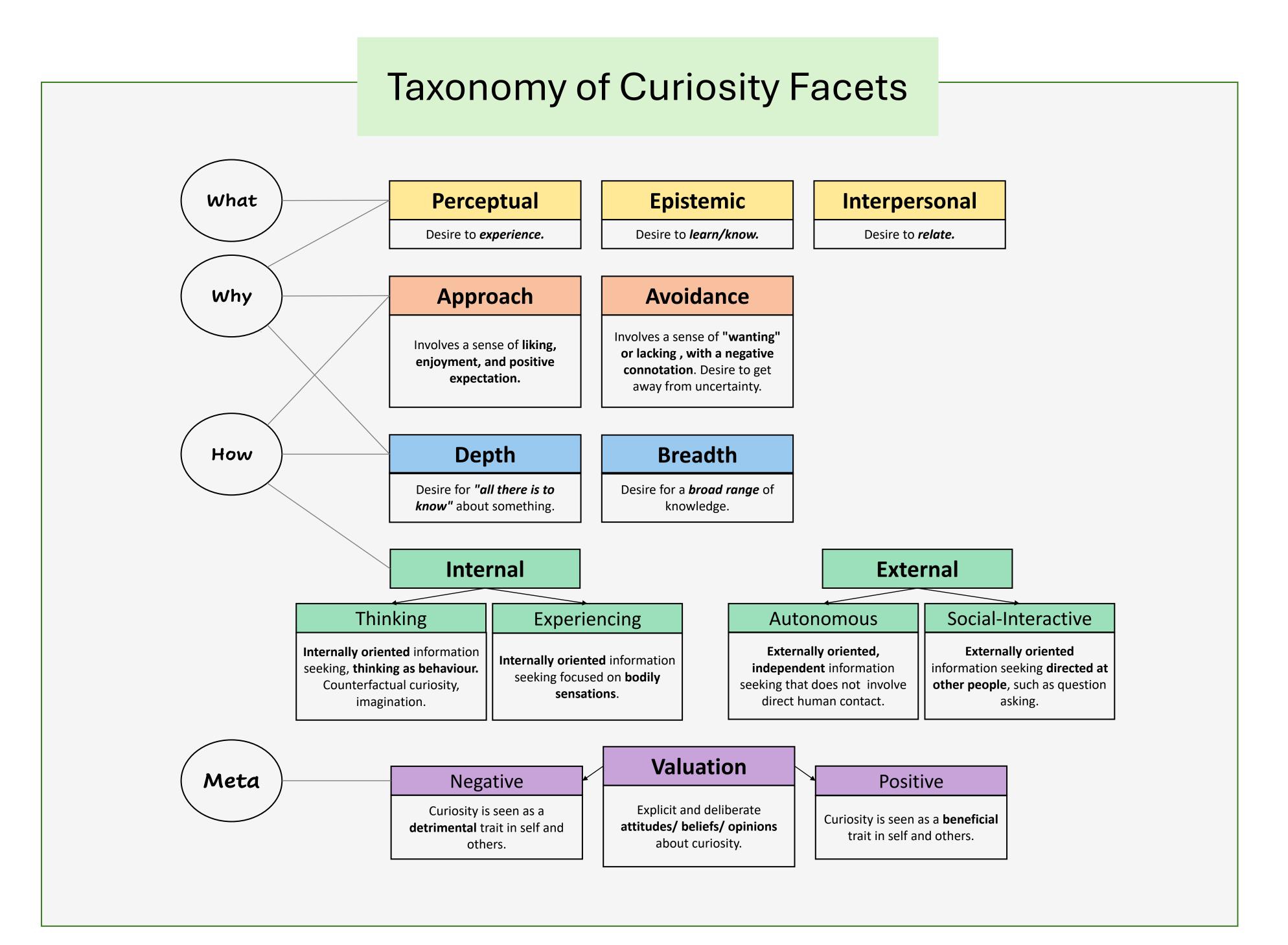
- Sample size: 600 children, 7-11 years old.
- Reliability and construct validity will be assessed for the individual tasks and across the tasks.

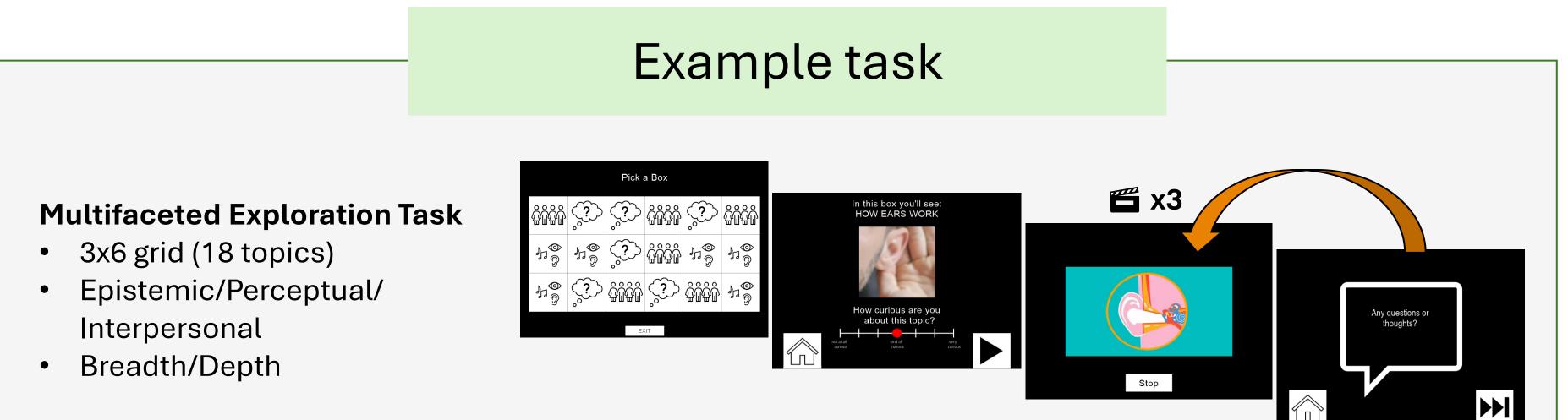
Test-Retest Reliability

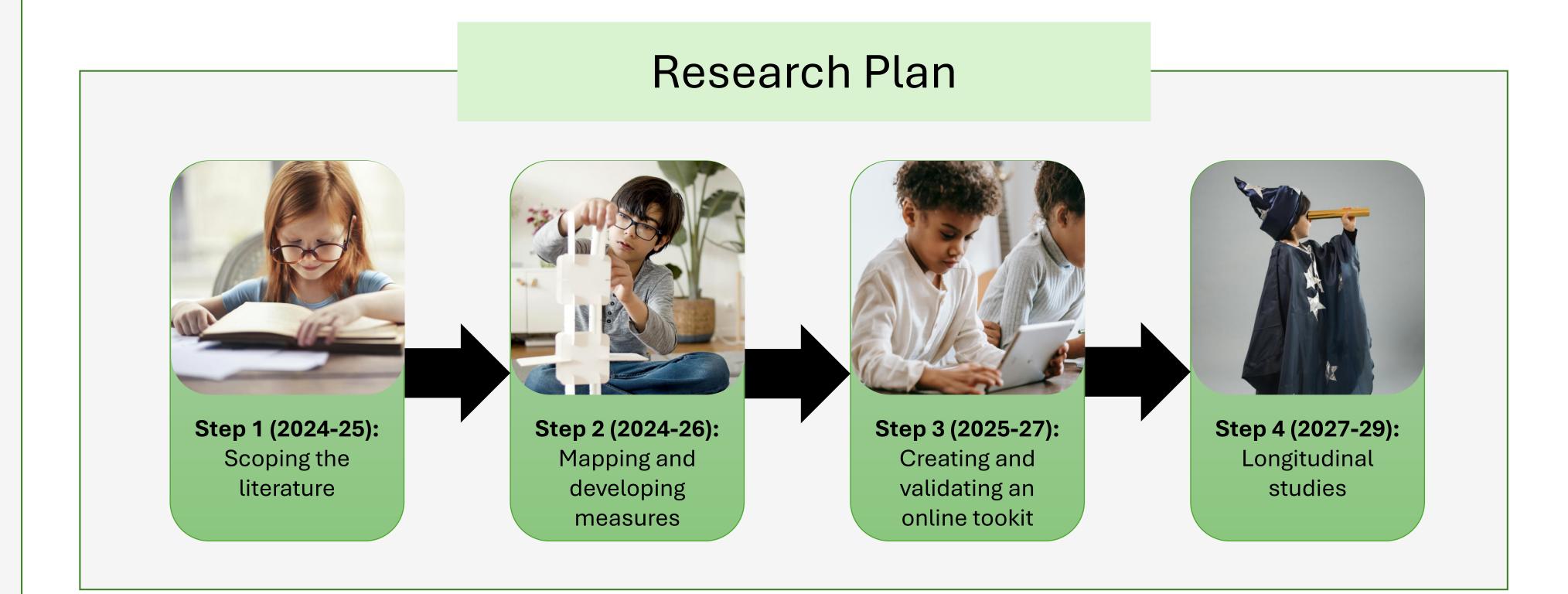
- Sample size: 200 children, 7-11 years old.
- Test-retest reliability will be assessed (2 weeks delay).

Predictive Validity

- Sample size: 1200 children, 7-11 years old.
- Longitudinal study predicting academic achievement & well-being







References

Grossnickle, E. M. (2016). Disentangling Curiosity: Dimensionality, Definitions, and Distinctions from Interest in Educational Contexts. *Educational Psychology Review, 28*(1), 23–60. https://doi.org/10.1007/s10648-014-9294-y

Jirout, J. J., Evans, N. S., & Son, L. K. (2024). Curiosity in children across ages and contexts. *Nature Reviews Psychology, 3*(9), 622–635. https://doi.org/10.1038/s44159-024-00346-5
Prenevost, M. H., FitzGibbon, L., & Bazhydai, M. (2024). Operationalization of Curiosity in Childhood: A Scoping Review. *OSF*. https://doi.org/10.17605/OSF.IO/N8VT5







