

## Multisensory Stimulation and Fine Motor Skills: a Model for Educational Innovation

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### ABSTRACT

This documentary study, using an interpretive paradigm, analyzed the integration of multisensory stimulation and fine motor development as the basis for an educational innovation model in preschool. Its main objective was to analyze multisensory stimulation and fine motor skills through a model for educational innovation. The methodology was based on a hermeneutic analysis of specialized theoretical sources. The results demonstrated the model's coherence by synthesizing perspectives from neuroscience (Ayres, Mora), cognitive development (Piaget), and systemic innovation (Fullan, Hargreaves, and Shirley). The discussion highlights that the ISMC (Integrated Sensory-Motivated Child Development) model transcends fragmented approaches, proposing a pedagogical practice where sensory richness precedes and facilitates precise motor execution, with a strong equity component. It concludes that the model represents a robust framework for innovation in early childhood education, offering a clear sequence that links emotion, neural integration, and motor action. Its main limitation is its theoretical nature; therefore, future empirical validation is recommended to quantify its impact on child development.

**Descriptors:** Multisensory Stimulation, Fine Motor Skills, Educational Innovation

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