Inside the Mathematics Class

# Details

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Book chapter

## Book title

nside the Mathematics Class: Sociological Perspectives on Participation, Inclusion, and Enhancement

## Publisher

Springer International Publishing

## Place

Cham

## Topics

* Learning
* Internet usage, practices and engagement
* Access, inequalities and vulnerabilities
* Other

## Sample

24 children aged 6 to 13 in three parallel pre-school classes in Sweden.

## Implications For Educators About

* STEM Education
* Professional development
* Other

# Abstract

By taking a socio-political stance towards the positive adoption of iPads to advance mathematical learning, this paper explores mathematical practices in a Swedish preschool class (children aged six to seven) where each young student was provided with a digital tablet. The focus is on how the students’ agency or boundaries emerge in the relational practices between the students and the materials: hands-on-manipulatives as well as digital technology. The paper adopts a socio-material perspective for the analysis of the practices. Both digital technology and the more traditional hands-on-manipulatives are exemplifying materials in the intertwining of human and non-human agency.

# Outcome

"Both digital technology and the more traditional hands-on-manipulatives are exemplifying materials in the intertwining of human and non-human agency." (Author, in Abstract)