



Mathematics Education Research Unit
Unité de Recherche Éducationnelle en Mathématiques

MERU Seminar Series Série de conférence UREM

Touch Counts: Tap, Pinch, Push – a new mathematics register on the iPad



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Abstract: I will present a new application for the iPad (Touchcount) that is intended for your learners (between 4-8 years of age) and that focusses on number sense. This application enables immediate interaction, with fingers and gestures, between the learner and the screen, without mediation through keyboard or a mouse. It also enables a visual, oral and tactile multi-modality. Drawing on a new theoretical framework that underlines the constitutive role of the tool and the body in learning, I will analyse a video of a kindergarten girl (5 years) and show how her developing concept of cardinality is evidenced in the way she becomes an expert at playing with the application.