

Séminaires de l'unité de recherche éducationnelle en mathématiques / Mathematics Educational Research Unit Seminars

SENSUOUS COGNITION

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In the late 1930s, the German social theorist Arnold Gehlen developed an alternative approach to classical mental-oriented views of cognition. Central to Gehlen's approach is a multisensorial conception of thinking. In this presentation, I will outline Gehlen's ideas and argue that, in addition to motor, perceptive and other sensorial mechanisms, the very texture of thinking is made up of speech, gestures and our actual actions with cultural artifacts (signs, objects, etc.). Some excerpts from videotaped Grade 10 mathematics lessons will be presented to illustrate the claim that thinking does not occur only *in* the head but *in* and *through* a sophisticated semiotic coordination of speech, body, gestures, tools and symbols. I will discuss the implications of this sensuous view of cognition in the teaching and learning of mathematics.

N.B.: La présentation sera bilingue / This presentation will be bilingual

Date : Jeudi, **22 novembre** de 16h à 17h30 / Thursday, **November 11th**, from 4.00-5.30pm

Local / Room: **LMX 477**

Nous vous attendons en grand nombre! / We look forward to seeing you !

Une initiative de / An initiative from

Unité de recherche éducationnelle en mathématiques
Mathematics Educational Research Unit



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