

(Mathematics) Education and Common Sense Revisited – a Panel Discussion in Honour of Christine Keitel

Panellists:

Prof. Peter Appelbaum, Arcadia University, USA

Prof. Christine Knipping, Universität Bremen, Germany

Prof. Ernesto Rottoli, Università Milano Bicocca, Italy

Chair: Prof. Eva Jablonka, Freie Universität Berlin

In 1995 Prof. Christine Keitel, then Vice-President of CIEAEM, hosted its 47th conference with the topic *mathematics (education) and common sense* and the subtitle *the challenge of social change and technological development*. The panel will revisit the role of common sense in the light of more recent processes of mathematisation.

Keitel et al. (1993) used the concept of mathematisation for the social, economical or political processes, in which relationships between actors become increasingly formal. Abstract considerations and formal rules replace locally derived context-bound approaches.

Mathematics that might be thought of as a mere means for description, so becomes a means for the generation of new realities, which then in turn can be apparently more easily be described, analysed and controlled by means of mathematics.

The panellists will discuss the social availability of skills or knowledge for evaluation and control of processes of mathematisation in a range of practices, in particular the role of 'common sense'.

References:

Keitel, C., Gellert, U., Jablonka, E., & Müller, M. (Eds.) (1996) *Mathematics (education) and common sense - the challenge of social change and technological development*. Proceedings of the 47th CIEAEM Meeting. Berlin: Freie Universität Berlin.

Keitel, C., Kotzmann, E., & Skovsmose, O. (1993). *Beyond the tunnel vision: analysing the relationship between mathematics, society and technology*. In C. Keitel & K. Ruthven (Eds.), *Learning from computers: Mathematics education and technology* (pp. 243-279). Berlin: Springer.