

Special Presentation—Panel (W1-02)

ITEC Project: Technology and Higher-Level Cognitive Functions

Moderators:

Violeta Tzoneva
National Neuroscience and Behaviour Research Programme
Sofia, Bulgaria

Betty Collis
University of Twente
The Netherlands

Abstract

The ITEC Project (Information Technology in Education and Children) Panel focuses on the impact of computer use on the higher-order cognitive functions of students (aged 9 to 12). The ITEC Project is a multinational investigation of the effects of classroom computer use on children. Indications of interactions and types of computer use will be discussed. A descriptive and analytic profile of the typical “Teacher-Student” and “Student-Student” interactions at school lessons with computer use is presented. These results are based mainly on the analysis of videos presenting lessons in a variety of school subjects, software use, frequency of computer use, organization of the teaching/learning process, physical setting of the classroom, etc. (the analysis was performed by Bulgarian experts in 1990-1991 with a coding sheet of mapping sentences as an instrument for evaluation of different aspects of computer use in the classroom) as well as on ITEC Project written reports.

Panelists:

Kwok-Wing Lai
Department of Education, University of Otago
New Zealand

Marco Muray-Lasso
Mexican Academy of Science
Mexico City, Mexico

Vitaly Rubtsov
Institute of General and Pedagogic Psychology
Russia

Takashi Sakamoto
The Graduate School of Nagatsuta, Tokyo Institute of Technology
Tokyo, Japan