

Practic science classes for early grade students in public school in Distrito Federal, Brazil.

Experimentation is one of the fundamental factors for the consolidation of natural sciences since the seventeenth century. The scientific process is dependent of an experimental approach by the fact that the basis of the knowledge construction occurs by investigation (Giordan, 1999). Taking this into account many authors argue that the experimentation must have great emphasis in science teaching since the early grades (Smith, 1975). In Distrito Federal's public schools the lack of practice and experimentation, besides great access to extension activities are visible. Based on this demand The Biology's Tutorial Education Program (PETBio), of University of Brasília (UnB), accomplished science practical activities at Escola Classe 501 de Samambaia. Experimental activities were carried out under teachers and directors support. A pilot class comprising 30 students from the 5th year Elementary School enrolled the class activities every 15 days at inner school place during the opposite turn of regular classes. The activities embraced various subjects which are part **of the** regular teaching curriculum. Different teaching approaches were used, aiming to foster various student's skills, like reading, writing, logic, and problems solutions. Regular school tests and data collected during the activities pointed to students learning improvement and study motivation. The final results of the project aim to benefit teaching and to encourage similar initiatives at public schools, academic or particular groups.