



Let's do science with children

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The school where I worked in 2011, was for primary school teachers-to-be. Classes were formed by a high number of students with a handicapped student in each class. The school was attended mainly by girls with low self-esteem and difficulties in fulfilling their homework. Moreover secondary school students often find science far from their world and rather boring. So helping them understand the relationship between science and everyday life, between chemistry and society was my main objective. Simple / elementary experiments were chosen : if presented and carried out with scientific method, they can prove very useful in the development of specific abilities, from simple observation to the more complex and vital ability to grasp cause and effect relation. I think that the direct observation of facts and phenomena is the foundation to stimulate the process of learning and abstracting

experiments:

A. The pressure as a force, the behavior of the hot and cold water.

1. the implosion of the can
2. the candle
3. the balloon and the bottle
4. the egg in the bottle

Monitoring and evaluation

The direct observation of students during operations and final written reports were the ways which was evaluated the project.

Results of the project carried out:

The students were able to use scientific language correctly, to explain the phenomenon to primary school children using their own ideas. They also devised a table where to list the experiments carried out