



N° 167126-LLP-1-2009-1-IT-KA1-KA1ECETB

## Barriers to the Study of Scientific Subjects and Level of Knowledge of Basic Chemistry

### ADULT LEARNERS' CASE STUDY

#### Adult Learner's Case Study N. 6:

Name, Subject Studied, Place: *Plamen Stoyanov Stoyanov, Automation, Information and Control Systems, Technical University of Gabrovo.*

#### Description of the Case Study

Reasons of the decision not to continue studying scientific subjects: *I was not definite about my prospective academic pursuits and made a mistake in choosing the wrong university and degree course. Consequently, I failed at my admission exams*

Main difficulties in scientific subject learning at school: *Chemistry has never been my cup of tea. Everything in it was cumbersome and obscure*

Self evaluation of knowledge of chemistry: *poor*

Evaluation of the scientific information provided by the media: *No answer*

Perception of the word "Chemical": *"chemical" – artificial*

Result of the basic chemistry test: *If you melt 5 grams of salt in 100 grams of water, the solution obtained will weigh: 100 grams. We sometimes perceive the presence of some substances through the sense of smell, as they give off a characteristic scent. Do you think it is made of material or immaterial particles? (Please justify your answer). Material particles. Can you think of an example of a pure substance in solid state? No answer. Can you think of an example of a pure substance in liquid state? No answer. Can you think of an example of a pure substance in gaseous state? No answer.*