

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

ADULT LEARNERS' CASE STUDY

Adult Learner's Case Study N.: 4

Name: KA, Male, Age 28 Athens area, Economist

Description of the Case Study

Reasons of the decision not to continue studying scientific subjects: *He liked economics and disliked science courses such as physics, chemistry, and biology.*

Main difficulties in scientific subject learning at school: *Lack of pre-requisite knowledge, difficulty in understanding the chemistry concepts and in problem solving.*

Self evaluation of knowledge of chemistry: *Poor*

Evaluation of the scientific information provided by the media: *In most cases, scientific information provided by the media is not comprehensible.*

Perception of the word "Chemical": *The word "Chemical" is associated with chemistry course, with chemical elements of the periodic table, and with the chemical war.*

Result of the basic chemistry test: *The weight of solution is between 100 and 105 grams. He answered by chance.*

The characteristic scent is made of immaterial particles, but he cannot provide a logical explanation.

As an example of a pure substance in the solid state, he referred to ammonia.

As an example of a pure substance in the liquid state, he referred to water.

As an example of a pure substance in the gaseous state, he referred to nitrogen.