

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

### ADULT LEARNERS' CASE STUDY

#### Adult Learner's Case Study N.: 8

Name: SA, Feale, Age 45, Boeotia area, Hospital Staff.

#### Description of the Case Study

Reasons of the decision not to continue studying scientific subjects: *Poor performance in science and mathematics*

Main difficulties in scientific subject learning at school: *Difficulties in exercises.*

Self evaluation of knowledge of chemistry: *Poor to fair*

Evaluation of the scientific information provided by the media: *In most cases, scientific information provided by the media is comprehensible; even if it includes unknown chemical names the meaning is clear.*

Perception of the word "Chemical": *The word "Chemical" is associated with chemists and with chemical affinity.*

Result of the basic chemistry test: *The weight of solution is between 100 grams, because the quantity of salt does not affect the total mass.*

*The characteristic scent is made of material and immaterial particles. The majority of these particles are material because nature is composed of matter.*

*As an example of a pure substance in the solid state, she referred to a medical pill.*

*As an example of a pure substance in the liquid state, she referred to water*

*As an example of a pure substance in the gaseous state, she referred to exhaust fumes.*