

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

ADULT LEARNERS' CASE STUDY

Adult Learner's Case Study N.: 3

Name: *DD, Male, Age 30, Zakynthos island, Economist*

Description of the Case Study

Reasons of the decision not to continue studying scientific subjects: *He did not have an aptitude for science but he had an aptitude for economic studies*

Main difficulties in scientific subject learning at school: *His science teacher lacked the ability to communicate chemistry in an attractive and effective manner. Furthermore, he did not like the school-textbook of chemistry.*

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 comprehensible.*

Perception of the word "Chemical": *The word "Chemical" is associated with something that is made in a lab, namely a chemical product that is artificial and it is explained chemically by a chemical formula.*

Result of the basic chemistry test: *The weight of solution is between 100 and 105 grams, because matter is changed and a part of it is transferred to the air.*

The characteristic scent is made of material particles. It is the molecules of perfume that move to the nose.

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

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

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