

## Main Difficulties in Teaching Chemistry in Secondary Schools

### TEACHERS' CASE STUDY

#### Teacher's Case Study N.: 9

Name, Subject Taught, Place: *I, chemistry and biology, gymnasium*

#### Description of the Case Study

Main difficulties in chemistry learning at school: *Lack of requisites, cognitive problems, generally difficult subject*

Main difficulties in chemistry teaching at school: *Big classes, students from primary school do not have equal level of knowledge.*

Identification of the main reasons why students do not choose to continue learning scientific subjects and chemistry in particular: *Lack of knowledge of future careers in chemistry. Students are mostly motivated by prospect of good earnings and they do not expect this in chemistry*

Identification of strategies to raise the number of students choosing to learn scientific subjects in higher education: *More contacts with reality, industry and research in particular. Students should meet successful researchers etc.*

Description of initiatives known in the field of promoting lifelong learning : *None*

Involvement in initiatives in the field of promoting lifelong learning : *None*

Suggestions: *Really talented students at secondary school should receive "special care". Maybe attend some "pre-university" courses where they could meet similar students, successful professors, interesting topics..*