

Main Difficulties in Teaching Chemistry in Secondary Schools

TEACHERS' CASE STUDY

Teacher's Case Study N.: 2

Name, Subject Taught, Place: *B, chemistry, gymnasium*

Description of the Case Study

Main difficulties in chemistry learning at school: *lack of requisites, not interesting topics, memorizing rather than understanding*

Main difficulties in chemistry teaching at school : *Lack labs and not enough pro-active teachers*

Identification of the main reasons why students do not choose to continue learning scientific subjects and chemistry in particular: *students are focusing on the prospect of good future income. The ones who are interested in chemistry usually continue to study pharmacy or medicine, only few choose pure chemistry.*

Identification of strategies to raise the number of students choosing to learn scientific subjects in higher education: *Increase motivation*

Description of initiatives known in the field of promoting lifelong learning: *the Autumn School for Natural Sciences Teachers (FEL CVUT Prague, ICT Prague, theory and practice), Summer School for Teachers (ICT Prague, theory) Practice Courses for chemistry teachers in Nove Hrad (Akademie věd ČR – Academy of Sciences, theory and laboratory practice).*

Involvement in initiatives in the field of promoting lifelong learning : *the above*

Suggestions : *increase prestige of chemistry and science, help students to identify professions where chemistry is necessary.*