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Main Difficulties in Teaching Chemistry in Secondary Schools

TEACHERS' CASE STUDY

Teacher's Case Study 2:

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Description of the Case Study

Main difficulties in chemistry learning at school: *Course and reference books in chemistry abound in theorizing which encumbers the students and gives them poor motivation. This tendency is sustainable both at grade and high schools. Knowledge should be grounded on and oriented to practical experience. The bulk of laboratory classes should be enlarged. To meet this requirement better equipped specialized labs are needed*

Main difficulties in chemistry teaching at school: *Students are inadequately capable to cull textual information, read charts, diagrams, graphs and chemical equations.*

Identification of the main reasons why students do not choose to continue learning scientific subjects and chemistry in particular: *Young people are poorly motivated due to the following reasons: destroyed public system of values, long years of continuous disinterestedness of the state in the matters education and culture, family settings, financial reasons.*

Identification of strategies to rise the number of students choosing to learn scientific subjects in higher education: *There should be developed new conditions for self-realization of young people within Bulgaria, not outside it. New hybrid specialties are to be developed such as computer chemistry, for example. Novel innovative methods of training are to be introduced relying heavily on ITs.*

Description of initiatives known in the field of promoting lifelong learning: *There isn't*

Involvement in initiatives in the field of promoting lifelong learning: *There isn't*

Suggestions: *A feasible project on ecological fuels and reduction of harmful emissions in the atmosphere could be initiated*