

Title: Prague grammar school teacher's approach to their student's preparation for biology admission exams to chosen universities

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Abstract:

Students' preparation for biology and science studies on the university level is highly influenced by their biology teachers. Therefore it is very important to know the facts about this preparation: for example, how often it takes place, in which ways, which methods teachers consider successful, if they tailor the content of their lessons to the requirements of certain universities etc. By compiling a list of universities providing biology centred programs and by determining the level of applicants' success in these fields, I identified the most popular biology programs. Subsequently, the requirements of admission tests of these programs were analysed in order to maximize the success of the applicants. From these data, educators can learn how to prepare their students. The practical part of this thesis contains a research: I approached 186 biology teachers at Prague grammar schools with a questionnaire survey. Using these questionnaires I came up with the data showing how and under what conditions they prepare their students for admission exams. The results were mostly as expected. The dominant approach is to prepare students via seminar lectures using textbooks and worksheets. The positive outcome is that almost a half of the teachers try to approach the students individually.

Keywords: biology, grammar school, entrance examination, university, success rate