

ABSTRACT

This thesis work is aimed at the meaning of excursion in teaching biology at secondary vocational school for thematic complex of microbiology. The topic of microbiology is not attractive for students of secondary vocational school and it is very important to find out what the impact of the excursion will be on the knowledge of students who will participate on the excursion. Part of this work is evaluation of excursion as an alternative method of teaching and its overall importance in the teaching of biology. Diploma thesis work brings an overview how the individual stages of the excursion should theoretically look like. It provides list of institutions and factories which may be asked for microbiology excursion in practice. Next part includes completely described excursion in brewery U Fleků including preparation, realization and evaluation. Excursion was taken by two classes of different fields with identical pre-concept of their studies. Part of the school phase of the excursion is testing students in the form of pre-test with the knowledge of microbiology theme, particularly beer production and yeasting process. It is followed by excursion part of brewery and at the end comes diagnostic school part when the students will be again tested in the form of post-test. At the end of this work there are evaluated results of tests and knowledge of the students, comparison of both classes, appreciation of excursion importance from which it results that microbiology excursion had in this case significant positive impact on knowledge of Secondary vocational school students.

KEY WORDS

Excursion, out of school lessons, secondary school, brewery, yeast