

Abstract:

The aim of this thesis is to summarize the integration of hands-on activities into biology lessons and to compare them with the requirements in the high-school curriculum. Further it inquires the influence of hands-on activities on the knowledge of students and their interest in the subject, and it summarizes previous findings about this topic. Sources available show that hands-on activities have a positive impact and are beneficial to students. This thesis also gives some examples of chemical tests suitable to be carried out in lessons. These tests can serve as proofs of carbohydrates, lipides and proteins in plants.