

ABSTRACT

Bachelor thesis focuses on packaging materials as a widely discussed environmental topic. The theoretical part of this thesis deals with basic information about packaging materials of different types, especially plastics. It includes information on the history, production, use, recycling, as well as the high presence of packaging materials in nature. In the second section of the theoretical part, the thesis focuses on the characteristics of Integrated Thematic Lessons, on the analysis of the Framework Educational Programmes for elementary education and gymnasiums and, last but not least, on the analysis of School Educational Programmes of selected schools. The part of the practical part of the bachelor thesis is a learning module based on Integrated Thematic Lessons called „Packaging Materials“. It contains a summary of information on individual packaging materials and a proposal of activities aimed at ensuring the activation of pupils to obtain knowledge, skills and attitudes in the area. The developed learning module was reviewed by five teachers with different educational backgrounds, years of teaching experience and experience with project weeks. Their review shows that the learning module is suitable for the education of students in elementary school and gymnasium. However, despite this fact, two significant modifications were recommended, namely to replace the web links of articles and videos with the nowadays popular QR codes and to add safety instructions to the tasks related to the practical activities.

KEYWORDS

Integrated thematic lesson, science education, chemistry education, plastics, packaging material, recycling, environment