

## **ABSTRACT**

The thesis deals with the teaching of the nervous system in primary school. This topic of human biology can be complex and abstract for pupils. In the theoretical part, the anatomy, physiology and pathology of the nervous system, including the senses, are characterized on the basis of the literature. It also includes the teaching of the nervous system in primary schools within the framework of the RVP and the curriculum and an analysis of textbooks. In the theoretical part, teaching methods are defined. The aim of the practical part was to develop a teaching programme on the nervous system for primary school pupils. The proposed program was tested in 8th grade primary school on a sample of 53 pupils. The knowledge was verified by means of pre-tests and then post-tests, which were completed by the pupils three weeks apart. The posttest results showed that the majority of pupils chose the correct answers in all questions. Based on these results, it is evident that there was an improvement in the level of knowledge of the pupils, so that the teaching programme was effective. The pupils evaluated the attractiveness of the teaching methods using a questionnaire. They chose the laboratory work on the senses as the most attractive method, while the work with text was rated least positively. The results also showed that most pupils preferred group work.

## **KEYWORDS**

activation methods, human biology, didactics of biology, nervous system, education program