

ABSTRACT

Objectives: To find basic information and the concept of interdisciplinary teaching and its possible inclusion in lessons. Describe selected activation methods in teaching in general and in teaching human biology. To analyze selected frequently used textbooks for pupils of the 2nd grade of elementary school, containing the topic of the muscular system as a suitable topic for the interdisciplinary connection of biology and physical education in the context of the frequency of impulses for the implementation of physical activities and containing the interdisciplinary connection of the above mentioned subjects. Design and implement the teaching of the muscular system with activation methods and cross-curricular elements and find out what the students' attitude towards it is. Using a knowledge test, compare pupils who have completed activation and interdisciplinary teaching with pupils who have undergone frontal theoretical teaching of the same topic.

Methods: Two methods were used for the research investigation. An online questionnaire regarding the attitude of students, created in Google forms, allowing students to comment on the lessons with closed and open questions, with a guarantee of anonymity. The second method of research is a knowledge test, created for the purpose of the thesis, which was printed and distributed to the students with a time gap after the end of the teaching of the topic.

Results: The attitude questionnaire mostly demonstrates the positive attitude of the pupils towards the type of teaching that took place and their relative positive position for other similar forms of teaching. The evaluation and comparison of knowledge tests proves the average higher efficiency of this type of teaching.

KEY WORDS

activating methods, biology, interdisciplinary relations, physical education