

A strategy for learning biology using models, using the human skeletal system as an example.

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Abstract

"The ability to learn" is one of the key competences. Proper organization of the learning process is an important factor in achieving educational success.

The acquisition and processing of new knowledge can take place in many ways. Adoption of an appropriate learning strategy, tailored to one's own preferences, can be decisive in increasing the student's level of knowledge.

Therefore, students of the 7th grade of primary school started building models of the human skeletal system using various elements available in everyday life.

In the first stage, they independently obtained information on this subject in order to create a model in the second stage.

The research question concerned whether students of the 7th grade of primary school are able to learn about the structure of individual elements of the human skeleton by constructing their own model.

First, the level of basic knowledge was diagnosed using an entrance test. In the next step, examples of constructed models are presented. These examples served as inspiration for their students' activities. After building the models, a post-test was carried out to verify changes in the level of students' knowledge on this subject. The results of the research indicate an increase in the knowledge of students.

Keywords

creating models, self-education of a primary school student,