

ABSTRACT

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Science education currently focuses mainly on the teaching approaches that support the building of new knowledge through students` active learning. The contextual teaching and learning approach is a system which is based on the connection of the teaching content with the context of everyday life. Therefore it emphasizes on the learning of new knowledge and skills through student active learning, which is based on student`s real experience. The thesis focuses on finding the optimal way to implement the contextual teaching and learning approach for future health professionals in the secondary health school. The aim is to implement the context of human biology into the education of Physics on the secondary health school in order to link the education of specialization subjects with the education of Physics and to streamline the preparation of future health professionals for the performance of their profession. The general scheme which shows the process of the contextual teaching unit creation was developed and also several contextual units were elaborated. The research with the aim of monitoring the change in attitude towards the subject due to the implementation of elaborated contextual teaching units was carried out. The results suggest that due to the implementation of contextual teaching units, focused on the human biology context, into the education of Physics, the positive change in attitude to the subject was observed.

Key words: context-based education, context-based teaching unit, secondary healthcare school