

This Bachelor thesis goal is to prepare pedagogical material for teachers and lecturers working with children in kindergartens or school clubs at elementary school. It deals with a problem how to motivate children to explore physical laws and natural phenomena in our surroundings, and with the issue of the loss of natural curiosity and desire to discover the new.

One part of the work is a research of the available resources of basic physics experiments for pupils at elementary schools and for preschool pupils in kindergartens. It also summarizes literature dealing with developmental psychology and inclusion of stories into usual activities.

The main part of the work includes two stories with 11 physics experiments, which are integrated into the stories and are also later described and explained in detail. The notes from realizations are a very important part of this work.

A CD with the thesis text in digital form, feedbacks and photos from the realizations and some examples of drawing feedback from kindergarten children is enclosed to the thesis.