

Title: Effect of physical experiments on the development of preschool children

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Abstract: In this thesis I am focusing on how to present physics experiments to preschool children.

This thesis deals with analyzing influence of physical experiments on the development of preschool children. It starts with description of research methods, then I present intervention program compiled from physics experiments and this thesis ends with conclusion of results of the research on a group of preschool children.

The thesis is accompanied by an annex including description of experiments with methodical notes and instructions. This thesis contains a description of five thematic units – Air, Water, Temperature, Magnetism and Light. These methodical materials are applicable directly to teachers in kindergartens.

Keywords: physics experiments, kindergarten, preschool children