

SUMMARY AND KEYWORDS

This thesis deals with school chemistry experiments that are inspired by pharmacy. The main goal is to create a chemistry experiment set containing instructions for experiments applicable to teaching chemistry at secondary schools or colleges or during leisure time. These experiments are closely connected to various branches of pharmacy. Pharmaceutical substances, industrial processes and technologies are used in them.

The introduction of this thesis concentrates on the teaching of chemistry conceptions within the present educational framework, specifically on the methods and forms of teaching as well as on the specific methods of teaching chemistry i. e. chemistry experiments.

References to sources of professional and other literature will be mentioned in the main body of the thesis. The enclosed company contacts point to the companies that have pharmaceutical substance at their disposal for school supply and usage.

Finally, safety instructions for dangerous chemical substances in relation to school education will be briefly summarized.

Keywords: experiment; chemistry; pharmacy; chemical substances; drug; safety at work; inspiration; motivation; methods and forms of teaching; medicine; pharmaceutical products