

This presented work focuses on problems of textbooks of physics at secondary schools. The contents of the first part is the research work on the subject of exploitation of textbooks of physics in teaching process, satisfaction with their quality and possibility of modernization in conformity with the Framework Educational Programme and present-day demands of students and teachers. The research was carried out by means of a questionnaire form. The forms were set among the students of the second and third years of chosen secondary grammar schools and among their teachers as well. From the evaluation of the questionnaires three most represented suggestions and demands on form and contents of a textbook were chosen. The second part of the work deals with the creation of the text of coursebooks. The text is intended for students and teachers of secondary schools, the level corresponds to secondary grammar school and its subject-matter is magnetic field. It contains 16 chapters organized hierarchically with regard to the Framework Educational Programme. In contrast to present-day textbooks its component part are instructions for experiments, videos to experiments, references to applets, historical notes, sample examples, eventually references to other examples and summary of observations. The output of the work is also the electronic form of the text from the appendix placed on the enclosed CD.