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ELECTRONIC TEXTBOOKS: AN INNOVATIVE STEP IN THE EDUCATION PROCESS

One of the priority directions of improving the education system is the use of information and communication technologies, which ensures further improvement of the educational process, accessibility, and the efficiency of education. One of the ways to achieve the goal of improving the educational process is to prepare electronic textbooks. Their use makes it possible to significantly influence the effectiveness of the classes, increase interest in learning and perceiving the material.

The electronic textbook is intended not to replace the printed manual, but to supplement it by presenting the training material in a different form – with emphasis on key concepts, reference schemes, the use of interactive tasks, and a large amount of multimedia illustrative material. It contains not only textual and graphic information, but also audio and video, which allows individualizing learning process and, unlike the usual (printed) textbook, is provided with interactive capabilities.

In the electronic textbook the search engine is a compulsory element, which makes it possible to analyze the contents of the book, search for the required information by keywords, the system of hyperlinks on the elements of the textbook, which provides instant finding the desired fragment of the text, as well as hyperlinks to other electronic textbooks, directories and necessary information resources of the Internet.

An important aspect is that e-textbooks can be used in all types of training activities:

- when presenting theoretical material: viewing animation and video fragments; multimedia presentation;

- in practice: consistent or selective working-out of theoretical material; obtaining background information, using «momentary» tests for mastering of concepts;

- for knowledge control: a significant simplification of the process, test control is completely transferred to the computer; the statistical collection of information about the results of control tests allows monitoring the success and quality of students' learning;

- in individual work: all multimedia features of electronic textbooks contribute to the most interesting and productive work; possibility of unlimited passing of educational tests and laboratory works to complete mastering of educational material; the possibility of passing tests even when it is impossible to attend an educational institution (distantly).

The electronic textbook should:

✓ show up the subject of science, giving a description, explanation, prediction and forecasting of phenomena, facts, processes, objects;

✓ reveal the essence of the subject of study;

✓ contain a methodical apparatus for the teacher and students.

Electronic textbooks are generally divided into three types:

1. Scanned paper textbook.
2. Traditional textbook with hypertext inserts.
3. Specially designed electronic textbook.

The head of the Ministry of Education and Science Lilia Grinevich said: «In 2018, we will launch a national online platform, so we will stimulate the development of electronic textbooks. Not just PDF-versions of textbooks, but real electronic textbooks with multimedia inserts». [2].

Regardless of the type, the training material in the electronic tutorial should be divided into sections; sections should be divided into modular frames with a text component and visualization. Each module consists of a theoretical block, control questions about theory, exercises and tests, context-sensitive help, etc. Among them the modules are linked by hypertext links, so that the student on the principle of

branching could quickly move from one module to another. It is advisable that the electronic textbook should contain graphic and illustrative material.

Most electronic versions of school textbooks for these ninth-formers have already been published by the Institute of the Modernization of the educational content.

Publication of electronic versions of textbooks in free access is a mandatory requirement of the Ministry of Education. This innovation is used by the agency for the first time this year.

Also Minister of Education Lilia Grinevich stressed that all new textbooks for the ninth grade will be available for download at public funds.

According to the Institute for the Modernization of educational content, the institution has accepted 118 titles of paper textbooks from 228, with a total circulation of 440 thousand copies that equal to 50% of the total number of textbooks required for students of the 9th grade. The delivery of educational literature to the bookshops of the regional departments of education and science has begun.

One of the electronic textbooks for the ninth form is the «Fundamentals of Legal Science» by various authors. Some of them:

- «Fundamentals of Legal Science» textbook for the ninth form of general educational institutions (author Narovlyansky O.D.)
- «Fundamentals of Legal Science» textbook for the ninth form of general education institutions (authors Vasil'kov I.D., Kravchuk V.M.)
- «Fundamentals of Legal Science» textbook for the ninth form of general education institutions (authors Andrusyshyn B.I., Berendeyev S.O., and Guban R.V.)
- «Fundamentals of Legal Science» textbook for the ninth form of general education (authors Remekh T.O., Pometun O.I.)
- «Fundamentals of Legal Science» textbook for the ninth form of general education institutions (by Ratushniak S.P.)

- «Fundamentals of Legal Science» textbook for the ninth form of general education institutions (authors Svyatokum O.Y., Svyatokum I.O) [1].

So, although today the electronic textbooks are still under development, we already have many of them available for free. This is a very hard and invaluable work. Such an innovation, in our opinion, will facilitate learning, make it more interesting and save the next generation from carrying heavy schoolbags. Today there are schools that try to work using electronic variants and it is an innovative step in the educational process.

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TRENDS IN LOGO DESIGN

The aim of this study is to promote formation and development of creative, searching innovate way of thinking. Since a logo is the visual entity signifying an organization, logo design is an important area of graphic design. A logo is the central element of a complex identification system that must be functionally extended to all