



DIDACTIC FEATURES OF VIRTUAL EXCURSION

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Annotation: *Virtual excursions have a special place among modern educational resources. In essence, a virtual tour is an online tour, which is created through software and computer services, which allows presenting educational material in a visual form. The virtual tour has its own didactic features. This is what the article is about.*

Keywords: *excursion, virtual tour, Internet resources, history, teaching history.*

Virtual excursions are becoming increasingly popular among modern forms of education. The virtual tour is created through software and computer services, which allows presenting the training material in a visual form. The didactic significance of this type of excursion is that it creates favorable conditions for students and conditions for effective mastering of educational materials in space.

In the organization of traditional education, study tours have been accepted as one of the most important forms of teaching. Excursion is a form of education "organization of direct study of the nature of things and events in natural conditions (industrial enterprises, farms and collective farms, nature) or in special institutions (museums, exhibition halls, etc.)" [1, p. 139] which ensures that information about the study material is presented visually. Receiving information in a visual form further clarifies the imagination of learners, ensures that the acquired knowledge is thorough.

Daniel Spaysk appreciates the practical importance of a virtual tour. In his opinion, the virtual tour facilitates the mastery of complex topics, allows students to form important personal qualities [2, p. 117].

During the studies by Daniel Spaysk [2, p. 117] virtual tour was found to have a number of other possibilities that complement the idea. In particular, the visual reception of educational information helps to create in the minds of students a clear idea of the observed object, subject or process; according to the principle of demonstration, a person has a full understanding of all the features of the object, subject or process; students will have the opportunity to get acquainted with the world's leading manufacturing companies, famous museums, attractions (countries, cities, tourist centers) through the Internet and computer equipment; virtual excursions enrich students' worldview, develop their cognitive thinking, develop aesthetic taste, expand their imagination; with the help of virtual excursions students gain skills of independent work, gain experience in conducting successful research work; with the help of virtual excursions, the requirements are met to sufficiently master the ability to thoroughly and practically analyze knowledge. In a virtual tour based on 3D technology, students will be able to "go directly" to the museum

halls, workshops of industrial enterprises, the streets of cities. Information technology also makes it possible to start and stop a virtual tour at any time.

The virtual tour has its own didactic features. This type of field trip is fun and enjoyable; educational material is mastered by students in accordance with the principle of demonstration; students master theoretical knowledge thoroughly. The virtual tour has not only an educational but also an upbringing opportunity. Through it, students are nurtured aesthetic sense, aesthetic taste grows, aesthetic attitude to social existence is formed.

While the use of virtual tours in educational institutions also has certain advantages, there are some difficulties in their use. They are: not only students, but also teachers are required to have experience and skills in working with computer technology, effective, targeted use of the Internet; if virtual tours based on the Internet are used in the educational process, then it will not be possible to establish direct communication between teachers and students, to organize question-and-answer sessions (however, this shortcoming can be overcome by organizing written and voice messages between teachers and students in a special group on Telegram).

There are two approaches to the organization of a virtual tour: 1) the science teacher selects the teaching material based on his knowledge, professional competence, visually conveys it to students through a presentation; 2) Students are assigned to small groups; they are given the task of preparing a study project based on a small research, small groups select material for a virtual tour on a specific topic and create a project product and they are demonstrated. The use of the second way in the educational process develops in students independent research skills.

Certain conditions are taken into account for both approaches to be effective. That is: education subjects have a personal computer; teachers and students to master the competencies of creating a virtual tour of the methodological support (virtual product) (if there is a problem, then they can cooperate with ICT specialists, with the help of the educational-methodical department of the university, computer center); Ability to choose an existing virtual tour from the "database" on the Internet.

Figma (an online tool for collaborative interface design), Photoshop (a widely used service for working with images, photos), CorelDRAW (an online tool for creating graphic designs in Windows), Illustrator (a service that allows creating web and mobile graphics, images and designs), Affinity Photo (software for creating graphic designs), Gravit Designer (a semi-functional application for creating vector graphic designs), Adobe Portfolio computer programs.

This implies that a virtual visit offers showing the learning material in a visual frame. The virtual visit has its educational highlights. This sort of field trip is fun and pleasant; instructive tool is aided by understanding the material with the guideline of demonstration; students gain complete understanding of the theoretical knowledge. The virtual tour has not only learning effect, as it were an instructive, but also nurturing opportunity. Through it, students are supported with aesthetic sense, stylish taste develops, and tasteful state of mind to social presence is shaped.

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