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FEATURES OF SHAPING ENVIRONMENTAL EDUCATION INSTITUTIONS

Abstract. This paper is to study the characteristics of the environment shaping institutions of recommendations for the design space interior schools. Certain funds to implement shaping environmental education, aesthetic image of the school play, based on a new perception of the world.

Keywords: education , space, environment shaping.

Statement of the problem. Currently, the environment of public schools tend to be fairly uniform and typed that reduces psychosomatic comfort and creativity of the individual. Imperfect and functional organization of classrooms with inadequate ventilation, lighting, heating and acoustics. To create an optimal environment for the development of the individual and society, it is necessary to use the latest trends in design - design, provide the main lines of development and implementation of innovative projects. Human resource development is important to find new and development of existing volumes premises. Synthesizing science, technology and art, the designer has a creative environment and aesthetic character of the institution that will directly shape the consciousness of the younger generation, to detect and reveal their creativity.

Analysis of recent research. Problems of perception of the learning environment of children covered by the study Mark Dudek [2], which cites international examples of innovative educational practices and make recommendations for design environment for children. The Book of Eleanor Curtis [1] is an analysis of a number of modern studies of different typology of schools and reveals the problems of space for the introduction of modern education worldwide. Recent research shaping the environment for the development of the younger generation are considered young Molly McGrath and Norman [3]. Principles of modern educational institutions examined in the works S.YA Kuznetsov and EV Sofrono [4,5].

The wording of Article goals . Identify features shaping creative space schools to identify and disclose the creative abilities of the new generation.

The main material. Recently premises subject to change schools . This is due to the desire to enhance the learning process and make it more flexible and diverse.

Teachers have found that traditional front lessons should not be the only type of school hours, especially for high school students . In the future, approximately 25% of the training time should be devoted to lectures, the teacher who read for a stream of students. On the other hand, should be carried out independent research work of students, the share of which must take even 25 % of the time.

With this approach to the learning process becomes even assembly hall and lecture rooms, organized R & D centers with areas for individual and group sessions designed to use all modern means: desktops, laptops, projectors and touch- interfaces.

A significant development in the future will get a group of sports facilities, gyms sizes increase , more schools will have swimming pools , special facilities for various sports. So, in the future, three-dimensional arrangement of educational institutions will be more large volumes.

To create a highly efficient living environment and sustainable development of the education system required comprehensive solutions to apply all the developments. This approach may create self-organizing spatial and social systems, effectively working to achieve the main goal - to improve the intellectual and creative abilities of the young generation.

The main objective in the design of environmental education - creating a creative environment that helps children identify yourself and unleash your creativity without forcing lecturers , play ergonomic , multi-functional space that allows certain transformations that can " tune in " to certain activities. Typical schools are able to form only typical thinking. Premises of existing schools, the space itself with faceless corridors and recreation centers similar classes is not conducive to creative development.



Ill. 1. Typical classrooms Ukrainian schools

Analysis of the environment of existing schools found that most of the objects of study are no large number of the types of educational facilities and recreation areas, unbalanced mode of operation of existing facilities during the year and day, the existing low level of usable space per student, which makes creating unfavorable conditions for learning , work and leisure (Ill.1). These conditions are gradual and

continuous development of science and technology necessitated improvement of the environment and the expansion of education. Analysis of foreign experience shows that Western countries have already passed this stage and are clearly the existing system of education with specific features for each country (America, Australia, Finland, Sweden, Portugal, Germany, and others.).



Ill.2. Library School in Concord (New - Hampshire, USA). Studio HMFH Architects, Inc.

One such example is the creative design school in Concord (New Hampshire, USA), embodied architectural studio HMFH Architects Inc. In the project plans were updated long-existing primary school buildings and changing the training program, introducing it with the latest developments in the field of education for the younger generation.

In this project the studio HMFH Architects decided the following issues:

- Improving the emotional mood of the students by playing an aesthetic image of the interior of the school, which increases the performance of children;
- Implementation of ergonomic, multi-functional environment that is of interest of the younger generation and adjusts to the disclosure of their creative and intellectual abilities;
- integration space at students and teachers, developing zoning space to support a variety of educational activities.

As a result of the project were created such facilities as: room watching educational movies, mini stage for theatrical plays, separate rooms, and the availability of free Internet access. Traditional library was transformed into a creative multi-function hall, which is used in the classroom as a training area, and during the break as a seating area where you can read books and talk to classmates (*Ill.2*). It was the heart of the school, bringing together students and faculty who can work together or separately. The school had introduced innovative technologies that help students in

their studies. Bright and creative interior design creates a fruitful environment for learning and recreation for children.

School building in Copenhagen designed Orestad design company 3XN Arkitekter, which made him a true work of contemporary art both inside and out. The project was completed in December 2007 and has been awarded the " Best Building in Scandinavia in 2007."



Ill.3. Using the principle of «open space» in the design space Orestad school. Copenhagen (Denmark)

In space , an area of 12 thousand square meters. meters were combined technology design «open space» the concept of wireless internet and laptops all students in order to create a "virtual gymnasium." Turning "flaps" formed by four college level , creating easily prystosovuychysya for different size groups or other needs space. The heart of this extraordinary school - large spiral staircase connecting the four levels of school (Figure 3). This room is a good example of creative spatial solution , which is expressed by the desire to provide a distinction between interdisciplinary areas through physical and visual connections. The island area is an example of a fixed space in the midst of explicit transit and serve as classrooms and recreational students. Emphasis on bright cushions and decorated with round ceiling lamps , reminiscent of a starry sky.

For free school of architects Vittra company Rosan Bosch designed the 30 schools . A distinctive feature is the absence of the usual classes and minimal use of walls. Children are divided into groups based on different types of learning." Dressing ", "cave", "laboratory" - a name only a few types of programs that provide individual attention to each child. One of 30 schools - school Vittra Telefonplan - located in Stockholm (Sweden) and occupies a large building area 1900 sq.m. Interiors tailored to influence the educational process. A huge amount of research on education , learning material and the child received his psychology has meant that designers refused to standard classrooms. Instead, it was developed several interesting forms of equipment that allows the child to choose a place , working

individually, while remaining in the group (III.4). The combination forms the interior turned out successful: the strict geometry of the architecture perfectly with bionic form of equipment. Large open space with areas for training , recreation , entertainment and sports. Each zone has its own unique design and is organized as comfortably and ergonomically, so seating area can serve as seating for learning.

From the analysis of foreign experience designing medium schools can identify features of the structure and direction of schools:

- The individual approach developing a design environment;
- The lack of familiar forms and minimal use of walls, the introduction of technology «open space»;
- Organization of a multifunctional space with a view of the diverse use of space by transforming them or not is as follows;
- Create training sessions with developed recreation room used for different types of students.

Differentiation groups - areas for different age groups - educational section of junior , middle and high school students will have a specific plan, fully meet the peculiarities of the educational process, the needs and interests of students of all ages.



Ill. 4. School in Stockholm (Sweden). Studio Rosan Bosch

Analysis and synthesis of the main features of shaping space classrooms makes it possible to bring recommendations for their improvement. Various solutions to the shortcomings of the medium schools and the educational process . Of these, lately especially popular:

- Computerization and automation of public utilities;
- Creation of a virtual learning environment;
- Playing creative design environment that inspires students and promotes intellectual and creative abilities.

Conclusions. The analysis of foreign experience The particular shaping environmental education, revealing trends in contemporary design design. It should be noted that the design environment developed in different ways: an emphasis on individual attention , the development of new methodological foundations of learni,

integration of the virtual environment. The main tools for implementing these approaches are multifunctional , high technology, integrated design , innovative spatial structure, reproduction aesthetic image of the school, focused on a new perception of the world, and most importantly - a creative approach to developing a design environment that helps a child to develop their own creative and intellectual ability.

Prospects for research. In further research is planned to analyze the color scheme intrer'yeriv schools and its effect on the psychophysical condition of the child during its development.

Literature

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Аннотация

Гнатюк Л.Р., Кучеренко Ю.Е., Особенности среды учебных заведений. В статье проводится исследование особенностей формообразования среды учебных заведений с предоставлением рекомендаций по проектированию пространства интерьеров учебных заведений. Определены средства для реализации формообразования среды учебных заведений, воспроизведения эстетического образа школы, ориентированного на новое восприятие мира.

Ключевые слова: учебные заведения, пространство, формообразования.

Анотація

Гнатюк Л.Р., Кучеренко Ю.Є., Особливості середовища навчальних закладів. У статті проводиться дослідження особливостей формоутворення середовища навчальних закладів з наданням рекомендацій з проектування простору інтер'єрів навчальних закладів. Визначено засоби для реалізації формоутворення середовища навчальних закладів, відтворення естетичного образу школи, орієнтованого на нове сприйняття світу.

Ключові слова: навчальні заклади, простір, формоутворення.