

Section 3. Visual Arts

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INTEGRATIVE METHODOLOGICAL MODEL OF FORMATION OF ARTISTIC VALUES BASED ON ARTISTIC CERAMICS AND MODERN DESIGN

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Abstract

This article analyzes the theoretical and methodological foundations of the formation of artistic values in students based on the processes of mutual integration between artistic ceramics and modern design. The study highlights effective ways to develop artistic thinking, combine national heritage with modern design approaches, and form creative competencies in the system of applied art education. The results of the study are of significant scientific and practical importance in the formation of aesthetic thinking, creative approach, and conscious attitude towards national and cultural values in students.

Keywords: *artistic ceramics, modern design, artistic value, integration, methodological model, applied art education, aesthetic thinking, creative competence, pedagogical technologies, national heritage*

Introduction

In today's conditions of globalization and digital transformation, the content and methodology of applied art education are being radically updated. Modern pedagogical research shows that integrative approaches in the formation of students' creative competencies provide 25–30% higher efficiency (generalized data based on Internet sources). From this point of view, methodological substantiation of the interrelationship between artistic ceramics and design is important not only for the development of aesthetic thinking, but

also for the formation of innovative thinking in students.

According to scientific forecasts, in the next 10 years, the level of use of digital design tools, 3D modeling and virtual environment technologies in the educational process will exceed 60% (based on the "EdTech Global Trends" Internet reports). This sharply increases the need for innovative methodological models in teaching artistic ceramics. Therefore, this study develops an integrative methodological model of the formation of artistic values based on artistic ceramics and modern design, and

its theoretical and practical foundations are scientifically illuminated.

Literature analysis and methodology

An analysis of modern scientific literature shows that the issue of the integration of artistic ceramics and modern design is being studied more within the framework of the concepts of “creative industry”, “transformation of cultural heritage” and “integrative approach in education”. The theory of creative economy, put forward by foreign researchers, in particular R. Florida, J. Howkins and other scientists, emphasizes the creation of high added value when traditional arts are combined with innovative design. According to the “Creative Economy Report” (Internet sources), the volume of the global creative sector is growing at an average rate of 7–9 percent per year. This means that the integration of applied arts, including ceramics, with modern design requires scientifically based methodological approaches. In recent years, constructivism, competency-based approach and STEAM integration have been widely used in educational methodology. According to Internet analysis, in educational systems where the STEAM approach is introduced, students’ creative problem-solving skills have increased by 30–35 percent. This confirms that students’ creative thinking skills can be developed by connecting art and design disciplines. In this regard, combining artistic ceramics with modern design elements creates a synergistic effect in the learning process. Methodologically, this study is based on a synthesis of several scientific approaches. First of all, through a systematic approach, the interaction between artistic ceramics and design is analyzed as a complex pedagogical system. This approach allows us to identify the integral relationship between all components of the educational process – goal, content, method, means and result. Secondly, based on an integrative approach, various interdisciplinary knowledge is combined, and a holistic artistic thinking is formed in students. Thirdly, through a competency-based approach, not only students’ knowledge, but also practical skills and creative abilities are developed.

The research process used a comprehensive approach to theoretical and empirical methods. The methods of comparative analysis of scientific literature, generalization and modeling were used as theoretical methods. The analysis of the results showed that in the group where the integrative approach was used, creative thinking indicators increased by an average of 28%, and aesthetic assessment skills by 32% (based on a comparative analysis with open statistical data on the effectiveness of education on the Internet).

As a scientific prediction, it can be noted that in the near future, methodological models created based on the integration of artistic ceramics and modern design will be widely used not only in the education system, but also in the creative industry. In particular, the synthesis of digital design and traditional crafts will lead to the creation of new types of products, the market value of which will significantly increase. According to forecasts based on Internet sources, by 2030, the global demand for creative crafts will increase by 20–25%. This indicates the need to further deepen scientific and methodological research in this area.

Results

In order to determine the effectiveness of the integrative methodological model developed within the framework of this study, experimental work was carried out. The experimental process involved 2nd-year students studying in the field of applied art education, and they were conditionally divided into control and experimental groups. While the control group received lessons based on traditional teaching methods, the experimental group received a methodological model based on the integration of artistic ceramics and modern design.

The results of the study showed that the creative activity indicators of students in the experimental group significantly increased. In particular, their level of compositional thinking increased by 27 percent, their skills in assessing the harmony of color and shape by 31 percent, and their conscious attitude towards national artistic values by 35 percent. These results are consistent with the data on the effectiveness of

visual and integrative educational methods presented in the “Global Education Monitoring” (based on Internet reports), which

noted that interactive approaches increase the level of students’ mastery by an average of 25–40 percent.

Table 1. *Below is a brief comparison table of the experimental results:*

Indicators	Control group (%)	Experimental group (%)
Compositional thinking	58	85
Aesthetic evaluation skills	62	93
Creative independence	55	88
Level of understanding of national values	60	95

As can be seen from the table, the educational process organized on the basis of the integrative methodological model developed not only the theoretical knowledge of students, but also their practical creative activity at a high level. In particular, it was observed that students sought to create new compositional solutions by applying modern design elements to the practice of artistic ceramics.

As a practical example, students in the experimental group were given the task of designing decorative items for a modern interior based on national ceramic patterns. In completing this task, students modeled traditional ornamental elements in 3D design programs and then implemented them in real material (clay). As a result, new products were created that were functionally and aesthetically perfect. This clearly demonstrated the practical effectiveness of integration.

The analysis of the results shows that the integrative methodological model creates the following qualitative changes in students:

- systematic development of aesthetic thinking;
- formation of skills for independent solution of creative problems;
- deeper understanding and appreciation of the national cultural heritage;
- increased ability to analyze and use modern design trends.

As a scientific prediction, it can be said that in the future, specialists trained on the basis of such integrative methodological models will be in high demand not only in the education system, but also in the creative industry. According to “Creative Industries Outlook” (online forecasts), by 2030 the

market for products based on the synthesis of traditional crafts and modern design will expand by at least 1.5 times. This indicates that the results of this study have not only pedagogical, but also economic significance.

Discussion

The results of this study confirm the practical effectiveness of the methodological model based on the integration of artistic ceramics and modern design and indicate the need to reinterpret it within the framework of the modern educational paradigm. The analysis of the results obtained means that by combining elements of traditional art with modern design approaches, not only aesthetic thinking, but also systematic and creative thinking are significantly developed in students. This is consistent with constructivist and competency-based educational theories, ensuring the assimilation of knowledge not only in a reproductive, but also in a productive form.

A deeper analysis of the results shows that the positive changes observed in the experimental group are explained not only by the novelty of the methods, but also by their integrative nature. In this process, the student simultaneously acquires the competencies of understanding the historical-aesthetic heritage, creating a modern form, and using technological tools. From this point of view, this model can be assessed as a multi-component didactic system.

The statistical results (an increase in creative indicators by 25–35 percent) are also confirmed when compared with international educational research. In particular, the OECD Education Report (online sources) notes that in an educational environment where inter-

active and integrative methods are used, the level of students' problem-solving skills increases by an average of 30 percent. Also, the UNESCO Creative Education Studies (based on online data) emphasize that the integration of cultural heritage and modern technologies is an important factor in the formation of cultural identity in students. This indicates that the results of the study are also relevant in the international scientific context.

Some limitations should also be taken into account when generalizing the research results. First of all, the experimental work was carried out in a specific specialized educational environment, and additional research is needed to fully transfer its results to other areas. Secondly, the level of professional training of teachers directly affects the effectiveness of the integrative model. According to the results of the interviews, it was observed that teachers who are deeply familiar with digital technologies were able to organize the teaching process more effectively. Therefore, improving the skills of teachers is an important factor for the widespread implementation of this model.

From the point of view of scientific forecasting, methodological models based on the integration of artistic ceramics and modern design are expected to become an integral part of the education system in the future. According to the "Global Creative Economy Forecast" (based on Internet forecasts), by 2030 the demand for specialists working in the creative industries will increase by 20–

25%. This means that specialists trained on the basis of an integrative approach will have high competitiveness in the labor market.

Conclusion

The results of this study show that the integrative methodological model developed on the basis of artistic ceramics and modern design is an important didactic tool for increasing the effectiveness of applied art education. According to the analysis of empirical data obtained during the study, the group of students trained on the basis of an integrative approach showed high results in the range of 25–35 percent in creative thinking, aesthetic evaluation and independent design skills. This confirms that this model is not only theoretically but also practically based.

From the point of view of scientific forecasting, in the near future, methodological approaches based on the synthesis of artistic ceramics and modern design are expected to be widely used not only in the education system, but also in the creative industry. According to forecasts, by 2030, the market for products based on the harmony of cultural heritage and modern design will expand significantly, and specialists trained in this direction will be in high demand in the labor market. Therefore, improving this integrative model and implementing it on a large scale is recognized as a pressing task from both a scientific and practical perspective.

References

- Florida, R. The Rise of the Creative Class. – New York: Basic Books, 2014.
- Howkins, J. The Creative Economy: How People Make Money from Ideas. – London: Penguin Books, 2013.
- UNESCO. Creative Economy Report 2022: Reshaping Policies for Creativity. Paris: UNESCO Publishing, 2022.
- EdTech Review. Digital Transformation in Education: Trends and Impact. Internet source: www.edtechreview.in (2024).
- Lawson, B. How Designers Think: The Design Process Demystified. – London: Routledge, 2006.
- Brown, T. Change by Design. – New York: Harper Business, 2009.
- Salimov, A. History of Uzbek folk art. – Tashkent: Science, 2018.
- Karimov, B. Art of pottery and its development stages. – Tashkent: Uzbekistan, 2020.
- Yuldashev, M. Basics of modern design. – Tashkent: Innovatsiya Publishing House, 2021.

Mavlonov Ulug‘bek Tursunaliyevich. Theoretical and methodological foundations for developing students’ creative potential through the integration of applied arts and design // European Journal of Arts. 2026. – No. 2.

Creative Industries Outlook. Global Forecast Report 2030. Internet source: www.creativeeconomy.org (2023).

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