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TECHNOLOGY OF USING LOCAL MATERIALS WHEN CREATING  
DECORATIVE VASES IN THE ART OF POTTERY.

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**Annotation:** this article The art of pottery is one of the most ancient and rich craft directions of human culture. Through it, not only practical objects were created for everyday life, but also specific images of national culture and art were expressed. In particular, the creation of decorative vases has its unique place in pottery, through which artisans have shown their aesthetic vision, natural love and national identity. In this process, local raw materials are of great importance, in particular, clays present in different regions.

**Keywords:** Urgut, pottery, crafts, history, tradition, development, decoration, mystery technology, tourism, cultural heritage.

**Introduction:** The chemical and physical properties of local clays, the conditions of their roasting and the methods of processing directly determine the quality of pottery products. Due to the presence of silicon dioxide, aluminum oxide, iron oxide and other minerals in the clay contained in the territory of Uzbekistan, they have a lot of plasticity and retain color when fried. The degree of plasticity of clay allows the Craftsman to create complex and elegant shapes, which makes decorative vases look aesthetically rich and attractive. At the same time, natural additives such as grated grain fibers or wood dust are added to local clays, which increases the strength and durability of the finished product.

The technological processes used in pottery are made up of a combination of traditional and modern methods. In the process of forming, craftsmen mainly resort to two main methods: manual modeling.

Decorating the surface of decorative vases is another important aspect of the art of pottery. Among the methods of decoration, the most common are: creating relief patterns, coloring, glazing and varnishing. Relief patterns include a broad spectrum, ranging mainly from simple and complex geometric shapes to national ornaments. Such diversity and reproducibility of patterns ensures the transmission of craft traditions from generation to generation. For coloring, natural mineral pigments are used, which retain their bright and solid color during the frying process. Also, in some cases, the surface of the items is covered with varnish or glaze, which not only gives the vases an aesthetic appearance, but also protects them from mechanical damage and moisture.

From an artistic point of view, the use of indigenous materials shows pottery as part of a national culture. Each area has its own clay types,



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In modern times, new scientific approaches and techniques to pottery technologies are being introduced. With the help of 3D printers and computer graphics, it became possible to give complex patterns to clay in the initial form. However, these technologies serve to create more high-quality and aesthetic products when combined with the natural properties of local clays and traditional decorative styles. Therefore, it is important to preserve and develop national traditions while adopting modern technologies.

The use of local clays is also of ecological importance. Natural materials do not harm the ecosystem, they are extracted and processed from natural resources and do not pollute the environment. This meets current environmental requirements and the concept of sustainable development. That is why the use of local clays in pottery embodies not only cultural and technological, but also environmental interests.

It is necessary to ensure that natural light falls into the workshop, providing daylight lamps if this is not possible. To make a piece of pottery, much more from a student requires musicianship, embroidery, sculpture. Each tool has rules for the use of equipment or bench, electropech, hummingbirds.

The student's lack of familiarity with this technology leads to the emergence of various unfortunate villains. Before working, it is definitely necessary to wear special work clothes. Before pottery is fired at humdon, the objects around humdon are inspected. Fire preservation measures are considered. when working on electrocutters, all wires, the integrity of the nodes are inspected before heating it. The use of electropechs is not allowed if some wire insulation is exposed. It is allowed to work after the found defects are corrected. electropech is used, items are placed on it, doors

Any mineral can be viewed as a homogeneous crystallized medium within its spatial limitation of the iatian gaze from a large size to small size.

Uzbek pottery and other types of Applied Art also spread through Russia to Europe. The information in US was checked from the item and its fragments at the site, which were designed as Chinese data. After 1958, Chinese archaeologists found pottery kilns from different periods in different provinces.

In conclusion, the technology of using local materials in the creation of decorative vases in the art of pottery forms a whole with its historical roots, cultural values and ecological aspects. This process is not only a practical craft, but also an important tool for the preservation and development of national culture. In the future, the scientific study of local clays and their harmonization with modern technologies will further enrich the art of pottery, making it world-clas. Using the technology of cooking them in different degrees in ovens when creating a composition of a set of vases that sing the theme of spring

Spring-as a symbol of awakening, rejuvenation and beauty, is widely reflected in works of art, in particular, in Applied Art. Especially in ceramic art, compositions that sing the theme of spring are not only pleasing to the eye, but also embody philosophical sharpness in itself. In increasing the artistic value of these works, the technology of their creation plays an important role, in particular, the process of cooking in ovens at different temperatures .

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When creating a collection of vases on the theme of spring, first of all, an ideological solution of the theme is determined. The colorful flowers of spring, the branches that strike a niche under the snow that has begun to melt, the vases, such as the wanderings of birds, are expressed through the shape of the vases, patterns and ornaments on the surface. To achieve compositional integrity, each vase is created as a separate work of art, however

While the style gives each part of the vase collection its own expressiveness, it gives the overall composition richness and variety. Illuminating the colors of the peat of spring with the technique of lush enamel – it is through temperature differences that it occurs. Also, the fact that items located in different parts of the temperature distribution in the oven exhibit different shades and textures also creates a variety of colors in compositional harmony.

**Conclusion:** Mainly clays are mined for pottery. Used in very few cases for business. Every year, a million tons of clay is used exclusively for industrial purposes – fireproof Ovens and baths, tiles, etc. Special kaolins, on the other hand, are mainly used in pottery. Even if there are clay deposits, but the method of their production is difficult. Mainly plastic clays are plowed through special devices. From it, the clay elements of kegin are mixed with water. Small pieces of kegin clay are broken from it, and large ones

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