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COLOR SYSTEMS IN PHOTOSHOP, SPECIAL FEATURES OF WORKING WITH COLORS IN PHOTOSHOP

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ANNOTATION:

Photoshop allows us as image editors not only to make changes to ready-made images, but also to create our own compositions. This process can also include simple coloring of outlines, as in children's coloring books.

KEYWORDS: Information technology, Electronic color palette, computer graphics, advertising, art, design, presentations.

Today, great changes are taking place in the field of science and technology worldwide. These changes are directly related to the development of information technologies. It is the changes related to the activities of modern engineers in the field of information technology, the reforms being carried out in the higher technical education system, and the increase in the requirements for the future engineer personnel that creates the need to form the professional competence of students who are being trained in this field. At the same time that information technologies have penetrated into all sectors of the economy and are contributing to the development of industry, the application of information technologies related to these directions is emerging as a separate science. This leads to the expansion of the field of information technology science. In particular, it is considered a necessary hardware tool in the fields of creating special effects for digital content - cinema, clips, advertising, art, design, presentations, dynamics



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simulation, as well as computer games and educational programs, and is considered one of the important areas of computer graphics. Every day, new miracles are created before our eyes, which we can see through amazing video images, special images of spaceships, objects that do not exist in nature, and others. In modern cinema, filmmakers have the opportunity to produce their works as they wish with the help of editing, sound and colors, as well as all technical means and methods. Based on the development of electronics and cybernetics and the new tools created as a result of image processing in computer programs, their wide spread led to the emergence of a new direction in visual arts - computer graphics. This caused a change in the appearance of industrial and domestic design. The term computer graphics is used in the film industry as "computer special effects".

ADOBE PHOTOSHOP is an electronic photo editing program designed for Windows computers. With the help of Adobe Photoshop image editor, you can add to photos, remove spots from photos and process and restore old photos, add text to photos, enrich with additional special effects, change and replace elements in one photo. The capabilities of Adobe Photoshop are comprehensive and provide great convenience in enriching books, newspapers and magazines with various images.

An electronic color palette is similar to a painter's palette in its use in computer graphics, meaning that it stores many colors.

The composition of the electronic palette consists of cells that store one color. The palette uses a specific color model. Its colors will consist of colors created on the basis of this model.



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Images created for the web use safe palettes. Because the graphic information being created is minimal, and the image must not lose its originality on devices on the network. Therefore, the safe palette contains 216 colors.

Summary

During the pedagogical internship at the 4th Specialized State General Education School of Furqat district, we directly participated in the Informatics classes and got acquainted with the state of teaching computer graphics to students in educational activities. In particular, we were convinced that the innovative methods used in the teaching of various relevant departments of computer graphics in the course of training in this school can be developed based on the above recommendations and suggestions.

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