

Ways to Use Photoshop to Make A Positive Contribution to Environmental Protection

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ABSTRACT

This article through the Photoshop to protect the environment works production, hope to improve everyone's environmental protection consciousness, stimulate students' interest in learning, help teachers to teach. The basic operations used in the work are layer style, highlight, layer mask, brush tool, cropping tool, invert, torus, filter, channel, decolorization, opacity, etc. Simple and easy to understand, the meaning of the work is clear at a glance. This paper first introduces some basic knowledge of Photoshop software, such as Photoshop overview, Photoshop software introduction, the origin and development of Photoshop, the second chapter introduces the general steps of Photoshop production, such as determining the teaching goal, selecting the appropriate teaching content and design, etc. The next chapter describes the production steps and skills of Photoshop environmental protection works in detail, including the preparation of materials and the specific production process of works; The fourth chapter mainly introduces the experience in the production process; The fifth chapter introduces the application prospect of Photoshop and the evaluation of Photoshop software and works.

KEYWORDS

Photohshop; Protect the environment; Digital media

1. INTRODUCTION

In the increasingly extensive application of computer today, computer technology has entered our daily work, life, but also into our classroom teaching. Photoshop is by far the most popular image editing software in the world. It has become the standard in many industries involving image processing. And it's Adobe's biggest source of revenue. Photoshop has a wide range of applications, including image, graphics, text, video, and publishing. Graphic design is the most widely used Photoshop field, whether we are reading the book cover, or the street to see the poster, poster, these with rich images of print, basically all need Photoshop software for image processing.

Photoshop, developed by Adobe, is renowned as one of the most widely used image processing software today. While many recognize its capabilities in image editing, its versatility extends far beyond that. In fact, Photoshop finds application in various domains such as images, graphics, text, video, and publishing. Its applications encompass diverse fields including graphic design, photo restoration, advertising photography, creative art, text and web production, architectural renderings, post-retouching, painting, drawing, 3D manipulation, wedding photo design, visual creativity, icon creation, and interface design [1].

The vast array of features and tools within Photoshop enables professionals and enthusiasts alike to explore their creativity and achieve remarkable results. From modifying and enhancing images to

creating intricate designs and visual effects, Photoshop offers an extensive set of capabilities to cater to different artistic and practical needs. Its impact spans across industries, contributing to the production of stunning visuals and facilitating artistic expression.

As users delve into the depths of Photoshop, they realize its potential extends beyond mere image editing. With its versatile functionalities and widespread usage, Photoshop continues to empower graphic designers, photographers, artists, and professionals from various fields, enabling them to bring their creative visions to life and make a significant impact in their respective domains. [1]

2. PHOTOSHOP FOR GENERAL PRODUCTION

The main theme of this work revolves around the pivotal concept of protecting the environment, which serves as the fundamental premise for the survival and progress of humanity. The environment, in its vastness, bestows upon us the indispensable resources and favorable conditions necessary for our sustenance and advancement. However, the insufficiency of people's anticipation regarding the detrimental repercussions of highly developed industries has led to the emergence of three global crises: resource scarcity, environmental contamination, and ecological devastation.

These crises have arisen due to an alarming overstep of the environment's self-purification ability, which stems from factors such as diffusion, dilution, redox reactions, and biodegradation occurring within the atmosphere, water bodies, and soil. These natural processes work in harmony to decrease the concentration and toxicity of pollutants, thus facilitating what is known as environmental self-purification.

Nevertheless, when the discharge of substances surpasses the environment's inherent self-purification capacity, the quality of the environment undergoes adverse changes, ultimately endangering human health and survival. This perilous phenomenon is commonly referred to as environmental pollution. It is in light of these grave circumstances that the primary objective of this work's design is to instill a heightened awareness regarding the criticality of environmental protection.

By means of this work, the aspiration is to inspire individuals to allocate greater attention and significance to safeguarding the environment. Through its various components and elements, this work endeavors to disseminate knowledge, evoke emotions, and provoke contemplation, all centered around the imperative need for environmental preservation. By eliciting a profound sense of responsibility and a collective commitment to sustainable practices, it is hoped that this work will contribute to the long-term well-being of the environment and, by extension, the flourishing of humanity itself [2].

3. STEPS AND SKILLS FOR MAKING ENVIRONMENTAL PROTECTION WORKS

3.1. Steps and skills of Photoshop to protect environmental works

First of all, we don't spend too much time on the material. Most of the material is drawn by using various tools, so the originality is relatively high. We spend a lot of time on the idea of "how to achieve", and many tools in the software are not skilled.

3.2. Design

Throughout history, mankind have exploited all of Earth's resources to exist. People had not previously overexploited it. Humans are now exploiting massive amounts of resources for their personal gain. Humans only have one planet, and it is experiencing a catastrophic environmental

catastrophe. "Save the Earth" has become the most powerful voice of people all around the world, thus I've produced a number of unique patterns regarding the planet [3].

3.3. Realization

Layer styles, highlights, layer masks, brush tools, cropping tools, inverting, torization, filters, channels, decolorization, opacity, and other techniques are employed in the process, as seen in Figures 1–7.

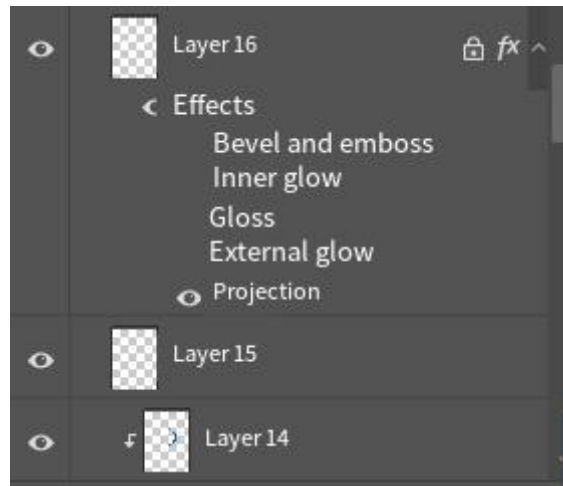


Figure 1 Fabrication of the Earth



Figure 2 Finished drawing of the Earth

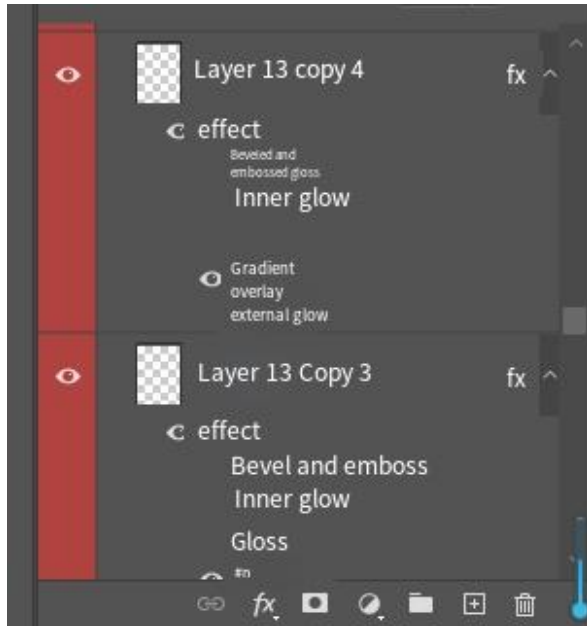


Figure 3 The making of the building



Figure 4 Finished drawing of the building



Figure 5 Finished drawings of other earths



Figure 6 Finished drawings of other earths



Figure 7 Finished drawings of other earths

4. EXPERIENCE IN THE PRODUCTION PROCESS

4.1. Determination of the overall style

In order to align with the content and effectively convey the message of environmental protection, the style of the work remains consistent throughout. The chosen color palette predominantly features vibrant blues and greens reminiscent of mountains and seas, symbolizing the pristine beauty of our Earth in its natural state. By prominently incorporating these colors, the artwork emphasizes the importance of preserving and safeguarding our planet.

Furthermore, careful attention has been given to the background design, ensuring its coherence with the theme of environmental protection. By harmonizing the visual elements, the artwork strives to vividly communicate the significance of environmental conservation. The thoughtfully crafted background serves as a cohesive backdrop that amplifies the core message, allowing the theme of environmental protection to be conveyed with clarity and impact.

Through the deliberate selection of colors and the overall design approach, the artwork endeavors to inspire viewers to reflect on the importance of protecting the environment and to take action towards its preservation. By visually reinforcing the theme of environmental consciousness, the work aims to evoke a sense of responsibility and promote a deeper appreciation for the natural world around us.

4.2. Use of Photoshop software

During the production process, a range of techniques were employed to bring the artwork to life and enhance its visual impact. These techniques include the skillful utilization of layer styles, highlights, layer masks, brush tools, cropping tools, invert effects, torus filters, channel decolorization, opacity adjustments, and more.

Layer styles were applied to add depth and dimension to various elements within the artwork, allowing for the creation of realistic textures and lighting effects. Highlights were strategically placed to draw attention to key focal points, emphasizing the importance of environmental protection within the composition.

Layer masks were utilized to precisely control the visibility and blending of different layers, ensuring seamless integration of the various elements and achieving a cohesive visual presentation. The brush tool played a crucial role in adding intricate details, textures, and fine lines, contributing to the overall aesthetic appeal of the piece.

The cropping tool was employed to carefully frame and compose the artwork, eliminating any unnecessary elements and refining the visual storytelling. Inversion effects were utilized to create visual contrasts and evoke a sense of urgency or transformation within specific areas.

The torus filter and channel decolorization techniques were employed to enhance specific visual elements, adding an artistic flair while maintaining the thematic coherence. Opacity adjustments were utilized to fine-tune the transparency of certain layers, achieving the desired visual balance and emphasizing the central theme of environmental protection.

By employing these diverse techniques, the production process aimed to create a visually captivating artwork that effectively communicates the significance of protecting the environment.

5. BROAD PROSPECTS OF PHOTOSHOP

5.1. Graphic Design

Graphic design is the most widely used Photoshop field, whether we are reading the book cover, or the street to see the poster, poster, these with rich images of print, basically all need Photoshop software for image processing [4].

5.2. Repairing Photos

Photoshop has powerful image retouching capabilities. Using these features, you can quickly repair a broken old photo or repair defects such as spots on a person's face.

5.3. Advertising Photography

Advertising photography as a very strict visual requirements of the work, the final product is often modified by Photoshop to get satisfactory results.

5.4. Image Creativity

Photoshop specializes in image innovation. Objects that were previously unrelated can be joined using Photoshop processing, and photographs can be significantly altered using the "leopard cat for prince" method [5].

5.5. Artistic text

Text becomes very special when it is processed in Photoshop. The use of Photoshop can make a variety of changes to the text, and use these artistic processing of the text to increase the effect of the image.

5.6. Web Page Creation

The popularity of the Internet is a big reason why more people need to master Photoshop. Because Photoshop is an essential web page image processing software when making web pages [6].

5.7. Post-decoration of architectural effect drawings

In the production of architectural renderings including many three-dimensional scenes, people and background including scene color often need to increase and adjust in Photoshop.

6. CONCLUSION

This work fully uses the basic functions of Photoshop to express the prominent theme of environmental protection. The basic software technology of Photoshop is used to achieve this work, hoping to enhance the artistic effect of the work and people's awareness of environmental protection. It is characterized by good design ideas, works at a glance, with high prominence, suitable for the theme it expresses.

Photoshop in the production process, full use of Photoshop powerful features, including layer style, highlight, layer mask, brush tool, crop tool, inverting, toroidal, filter, channel, color, opacity and so on. It adopts a simple and easy to understand style, so that the works can be easy to understand and have high artistic quality, which can stimulate people's interest in learning Photoshop.

Owing to time and knowledge constraints, only a few fundamental functions were taken into consideration during the production process, and certain functions could not be finished in their entirety. As a result, the work's beauty is lacking, but I aim to make up for these flaws in the future.

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