

Research on Education and Design based on Visual Psychology

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Abstract

Education as a key development goal of our country, talent training has been an important topic of concern in our country. The research of visual psychology has also been paid more and more attention and research by people of insight. This paper introduces the related knowledge of visual psychology, and studies and discusses the problems and applications of visual psychology in education and design.

Keywords

Visual Psychology; Education; Design; Education and Teaching.

1. Visual psychology

Visual psychology as a small branch of psychology, refinement, refers to the outside world images through visual organs caused by a kind of psychological reaction, is generated by an outside-in intangible process, and the process is relatively complex, is due to the outside world graphics, images, the richness and complexity of the inner psychological function, the two interact with each other, transform, create links, Therefore, different kinds of people will have different images or visual feelings. However, as far as vision is concerned, it is an active process of "seeing". Human beings rely on the brain and body to perceive the external world, so vision is not a purely active process. To a certain extent, visual understanding comes from life, in which the communication between people is realized through the form of visual language.

2. Visual expressive factors in visual psychology

2.1 Color factors

Color in visual images can attract people's attention more, arouse people's association and imagination, and stimulate curiosity. People use bright-colored, bright color as the main tone, color of high purity, high lightness to meet the needs of visual psychology. This kind of color is transmitting happy, relaxed, active experience. In visual psychology in the process of formation, we should also consider the different age and gender on perception of color is different, so in the design we want accurate positioning, choosing the right color. The application of same color also needs to follow moderate principle. The use of high brightness and purity of color, or frequent change of text and graphics color, but will weaken the visual effect, affect the overall effect. On the basis of visual psychology, only reasonable and effective use of color elements can make our works stand out more.

2.2 Graphics factors

Research in visual psychology has shown that we have a better understanding and perception of what we are familiar with. Graphics full of fun in the graphics more attractive and affinity, more can be paid attention to and understood. In education, a vivid and interesting picture is often more attractive to us. After we have learned the meaning of a thing, we always look at it again and think of the new knowledge we have learned. For example, after learning the ancient poem of "Beneath the Peasants", when you see the peasants or rice, you will always think of the artistic conception beauty brought by this poem and the meaning it represents.

2.3 Space factor

In the whole growth process of visual expression, we are still in the process of learning spatial perception, still looking for new spatial feelings and the differences between different Spaces. The application of visual space in design and creation mainly refers to the sense of space in visual presentation -- reflecting the sense of space through vision, realizing the space through multi-angle, multi-dimensional and multi-span ways and emphasizing the contrast of spatial changes. In the process of design and creation, the interspersed form of painting inside and outside is adopted, and the visual illusion expression technique of space is used to enhance the interest of the picture, thus arousing people's interest. When they see the interspersed space, they tend to stop. Of course, we also consider the design of personal emotions, patience, etc. Design can't have too much frequently, this will confuse psychology, gradually between boredom and escape from the psychological. Therefore, we also need to consider the principle of moderation.

3. Under the visual psychology education should pay attention to the problem

3.1 Cultivation of teachers' comprehensive ability

Teachers learn to use visual psychology in education and teaching, to a large extent, can improve the quality of teaching, continuous experiment, continuous attempt, continuous innovation, which requires teachers to have a higher professional quality. Teachers need to have a higher comprehensive ability of education and teaching and scientific teaching methods, in order to better experiment on teaching. Therefore, schools and educational institutions should pay attention to the cultivation of teachers' comprehensive ability, introduce effective and reasonable education policies, encourage the active participation of teachers, cooperate with each other, and jointly improve the comprehensive quality of teachers.

3.2 Cultivation of teacher-student relationship

Visual psychology is not only a theoretical subject, but also an abstract subject. For teenagers, such a logical subject requiring strong thinking ability is more impatient and boring learning process. If it is just teaching theoretical knowledge, it is an unsuccessful classroom experiment. On the contrary, teachers learn to create a classroom atmosphere in teaching, to drive the classroom atmosphere, to attract students' interest, so that students learn in happiness, as the saying goes, "interest" is the best teacher of learning. Active classroom activities and classroom experiments have unique attraction and can not be ignored in the whole process of classroom teaching. Encourage students to participate and express their opinions and suggestions, so that teaching can be carried out in a comfortable and happy atmosphere.

3.3 Education in the teaching process more use the psychology category

Visual psychology focuses on the teaching guidance of psychology. In the teaching process, teachers should learn to use the content of psychology, increase the learning guidance of visual psychology, and cultivate a good teacher-student relationship between teachers and students. Promote the development of thinking ability and perception ability, and then enhance the development of adolescent psychology. Therefore, teachers should better integrate the knowledge of psychology in the process of education and teaching to promote the development of adolescent mental health and the development of the teaching process.

3.4 Explore more teaching methods

Under the mode of comprehensive education, psychology is a compulsory course for teachers' educational learning. Teachers should constantly innovate and explore, actively look for new teaching methods and methods, and seek more teaching methods and obtain more teaching results through continuous experiments and learning. Of course, we should also consider the use of different teaching models and methods for teenagers of different ages and stages in order to achieve the most successful teaching effect.

4. The role of visual psychology in design

Visual psychology plays an important role in design. It is embodied in the following aspects: First, when looking for new teaching focus in life, we should keep innovating and effectively express this new way of thinking. Second, with the rapid development of science and technology, the wide use of high-tech technology in the field has broken the limitation of design from two-dimensional space to multi-dimensional and dynamic space. So that the design of the development of space expansion, get effective development.

5. Conclusion

We experience our world today through our five senses of hearing, sight, smell, taste and touch. It is often said that art comes from life and reflects life, and is designed for life. Visual psychology is a complex social behavior as well as a part of human psychological activities. Visual psychology has a wide range of development prospects and space, the urgent need for the majority of designers to put into practice, actively participate in, actively discover the visual psychology in the external environment, in order to find new design ideas and development direction, so as to promote the design gradually toward the diversified, dynamic, integrated development. As mentioned in the article, visual psychology should pay attention to the problems in education, which requires every teacher to pay more attention to, actively participate in, actively practice, constantly try and innovate, so as to put forward effective education and teaching measures to promote the development of education and educational level.

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