

Effect of color of educational spaces on learning and students' satisfaction in Iran (Case study: Andish Negar Mehrgan educational complex in Isfahan)

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ABSTRACT:

Using appropriate combination of colors in educational spaces can have several advantages. People manifest different feelings and efficiency in spaces with different colors. The most important effect of color in educational spaces is refreshment and creation of enthusiasm and vibrancy during learning. These findings are investigated in a field called environmental psychology, and have a great influence on architecture and designers' decisions. Identifying different colors using descriptive-analytical method and reviewing the previous studies in the first step of this study. In the second step, a questionnaire in accordance with the objectives was designed using the knowledge and information collected. Finally, the data required was gathered using 21 to 27 years old people in a center of training software in Isfahan city. Randomly, 50 students were recruited for the study (50% male and 50% female). To determine internal consistency of data, a simple survey was carried out among 10 students; then, questions with scattered and irrational responses were eliminated. The research results shows that using color affects learning and increasing the enthusiasm of students in all sections of educational structures. The most important section to which the respondents were sensitive were entrance space, the space inside the classroom, and the communication space between classes. Describing suitable colors were done in the supplementary part of this study. The respondents recognized yellow, blue, green, purple, and amethystine as being more suitable, respectively. The results of this study can be used in different sections of higher education throughout the country.

Keywords:

Educational spaces, color, environmental psychology, architectural design.