



THE IMPACT OF CLASSROOM DESIGN ON STUDENTS' LEARNING

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Abstract: *The main purpose of my investigation is to learn students and pupils' reactions to classroom design. Since students can not be successful in terms of their behavior or academic learning, without an environment that has been intentionally created for this purpose. Classroom design is a critical element in creating an effective learning environment.*

Key words: *Classroom design, students, physical elements, educational experience, ideal classroom.*

INTRODUCTION

Classroom design plays a critical role in shaping the learning experience of students. A well-designed classroom can enhance engagement promote creatively foster collaborative learning and improve academic achievement. Considering the dynamic nature of wellbeing in buildings, encompassing both individual and collective elements, the questions we aim to explore here are: How does the classroom space influence student wellbeing? And what additional dimensions that contribute to wellbeing outcomes for users, specifically students, should be considered in educational buildings? In campus environment, educational buildings play a key role in shaping a student experience as they are, by their nature, the places where students' learn, study or socialize.

Classroom design is the process of planning, organizing and building great atmosphere that maximizes student achievement. Effective classroom design incorporates a range of different physical elements, including classroom layout, seating, seating arrangements, lighting, acoustics furniture, color to ensure the best learning environment for students.

So what is the "ideal classroom" design? This question will vary greatly depending on the teaching style the age of students, even the subject being taught. Researchers shows that, in higher education classrooms, the quality of the thermal environment can impact students' comfort, performance and overall being. (M.K.Singh, R. Ooka, S.Mahaparta Apr.01.2019). I agree with these opinions because if students study in well decorated classrooms that are comfortable in every way, this atmosphere will be beneficial for them to learn subjects well. Physical layout the arrangement of furniture and space significantly impacts student interaction. Research by McGregor (2004) indicates that flexible classroom layouts, which promote collaboration, lead to improved student engagement and communication skills. Conversely, traditional row-based seating can limit interaction, reducing opportunities for peer learning and group dynamics.

The integration of technology into classroom designs are increasingly relevant in today's digital age. Research by Oblinger (2006) emphasize that technology-rich environments foster active learning and collaboration. Access to digital tools allows for personalized learning experiences, enabling students to engage with content at their own pace and in ways that suit their learning styles.



Window view and integration of nature

Window views, connection to the outdoor environment, and integration of nature in classrooms are other design elements that have been studied for their impacts on students' classroom experience. These aspects have been examined not only for their impact on perceived environmental quality but also for their potential to influence students' moods, their learning experience and cognitive function, and their overall wellbeing. As with individualization classrooms design research has found that appropriate levels of stimulation account for roughly a quarter of room design's impact on studying. In the classroom, diversity of the floor layout, walls, colors and ceiling should stimulate the student's senses while still retaining a sense of order. These findings seem to suggest that a well-designed classroom impacts academic performance. In an environment that is visually appealing, comfortable and conducive to learning, students are more likely to feel motivated, engaged and focused. This then leads to improved concentration, retention of information and overall academic success. The design elements, such as lighting, seating arrangement organization, all play a vital role in creating an optimal learning space. Thus, investing in a well-designed classroom might have long-lasting benefits for students and teachers alike. Although not every facility and infrastructure must be available, but the completeness of this learning facilities will create the comfort of learning Cheryan S., Zieger S.A.,)

Flexibility- Classrooms that allow for easy reconfiguration can support a range of activities, from individual work to collaborative projects. Enhancing adaptability to different teaching methods.

Psychological Effects: Colors can affect mood and cognitive function. For instance, blue can promote calmness, while yellow may enhance creativity.

Visual Stimulation: Artwork and educational displays can create an inspiring environment, fostering creativity and engagement. And also I want to share my opinions about my old school.

So always I and my classmates Did not want to do the art teachers' homework. Because of classroom design. To be honestly we did not get any energy or interest from the classroom environment.

Conclusion: Classrooms design plays a pivotal role in shaping educational experiences and outcomes.

As schools continue to evolve, it is essential to educators and administrators to prioritize the physical environment in their strategies for enhancing student learning. Future research should explore the long-term effects of various design elements on academic performance and well-being, as well as investigate the specific needs of diverse student populations.

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