

## What can you do with boxes? constructing boxes and their surfaces into a spatial system to support creative learning

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### Abstrak

This paper addresses the challenges in developing design ideas of learning environment for primary school children that could promote creativity. In particular it illustrates how the boxes as simple three dimensional objects could be constructed into a system that offers various possibilities of utilization for learning activities. The possible arrangements of boxes and the possible utilization of their surfaces were investigated through a series of creative workshop with children, in which they explored different ways of constructing the arrangement of boxes and using them for their activities. The possibilities offered by the arrangement of boxes and their surfaces indicate the importance of understanding the presence of objects in space not as an independent entity but as a part of the whole spatial system. It suggests that learning environment essentially needs to be designed as an integrated system of learning spaces and objects that together could promote creative learning.