



**GOLDEN CUBES AWARDS**  
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# Architecture & Children Work Programme



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UIA Built Environment Education network



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# The Impact of School Environment on Children's Health

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## UIA Arch&Ch WP (in brief)

Built Environment Education (BEE) knowledge and Expertise  
worldwide: charter/guidelines/meetings/ workshops/ conferences  
webinars/ research and publications/ GCA's/ Reports

The ***Golden Cubes Awards*** (GCA's) were founded to honor people and organizations that help children and young people to understand architecture.

### Four categories:

- Schools
- Institutions
- Written Media
- Audio-Visual Media



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## **The impact of School Environment on Children's Health:**

The school outdoor and indoor environment is utterly important for children's health...

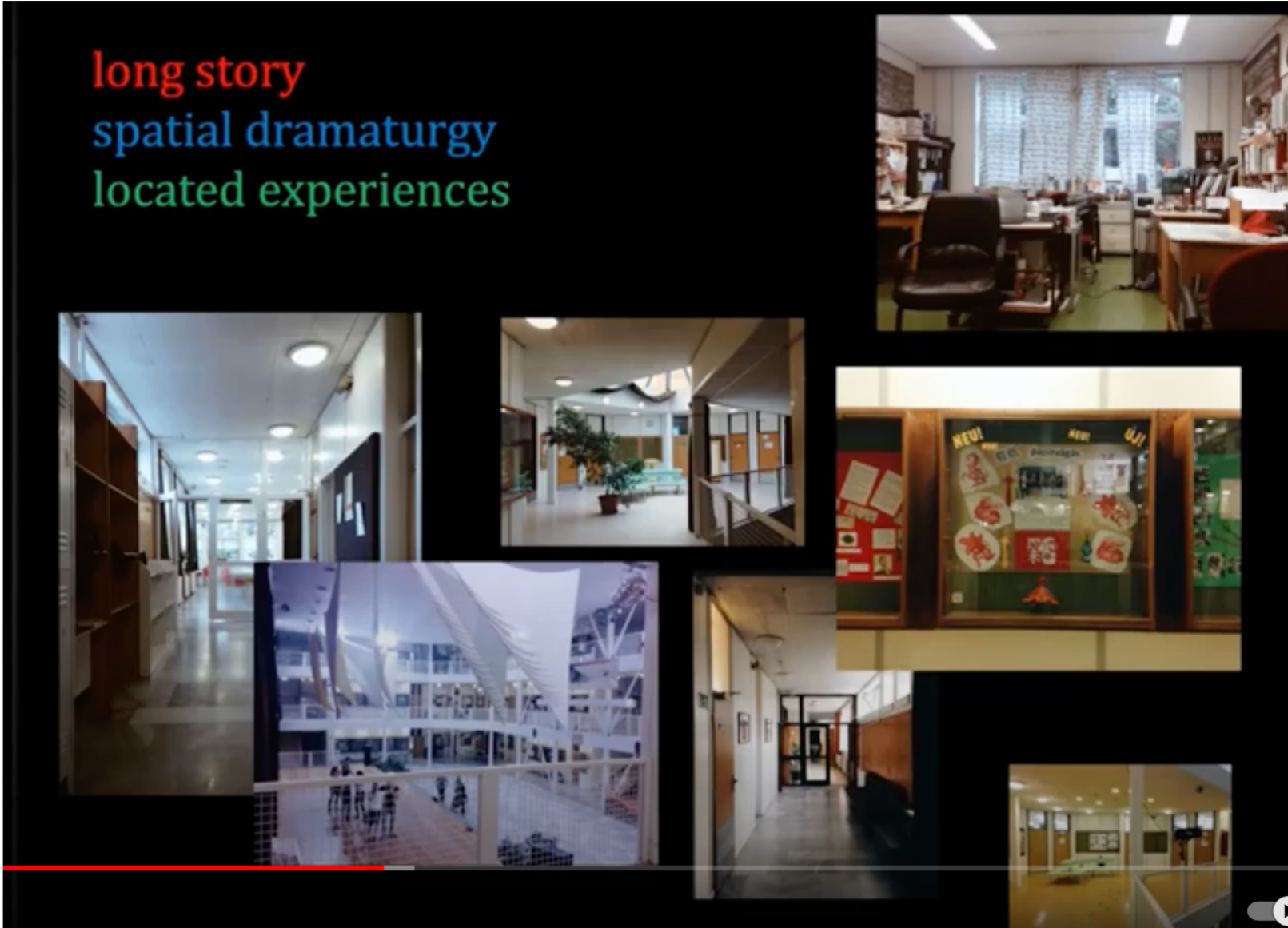
In addition to the need for a school building that is adequately designed for the actual pedagogic purposes, children *also* need to have a schoolyard big enough for movement, sports and utterly for outdoor education.



Studies and practices reveal that children's learning capacity is equally dependent on both the physical as well as mental health. This short talk will tackle the issue and showcase three examples from the UIA Architecture and Children WP experiences

- Research,
- Hands-on Practices, and,
- Golden Cubes Awards winners.

long story  
spatial dramaturgy  
located experiences



## Research

PhD. Krizstina Somogyi  
Faculty of Architecture  
Budapest University of  
Technology and Economics:

***How school children  
experience the school  
environment?***

- Observation of school by students
- + Evaluation of school socio-physical school setting
- + Retrospective narratives

School: A life-long experience for children to understand themselves and the world ...

IMAGES:



Grey Water Treatment workshop



CHAST Program



Baharwa school  
 (Up-Cycling playground)



Prototybe for Interactive  
 school building



Behbeit school  
 (Painting walls)



Clay and Natural Materials workshop



Up-Cycling playground workshop

# Hands-on

Example from Egypt,  
**Interactive Schools:**  
 School children  
 participate in  
 refurbishment of their  
 schools.

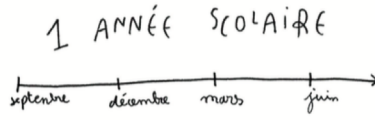
Altering children  
 behavior towards school  
 and education in remote  
 poor areas.

+  
 Engaging the entire  
 community.

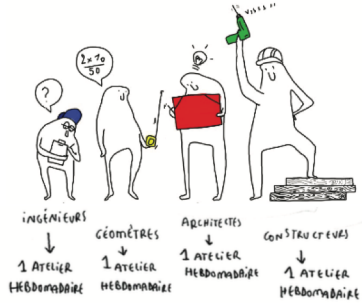
School scale is comprehensible by children for sustainable interventions.



IMAGES:



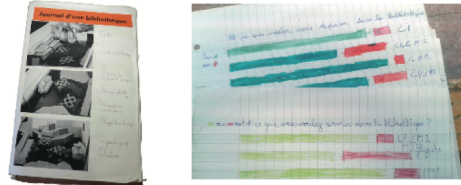
4 CLASSES DU CE2 AU CM2 = 4 RÔLES



0 - Visit of Architecture museum



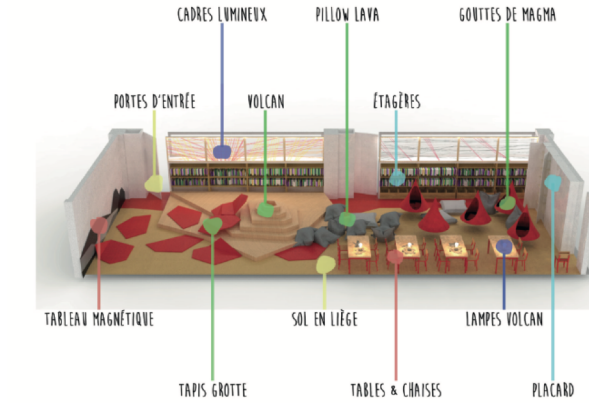
1 - Writing the diary and the necessities document by the engineers



2 - Project design by the architects



2 - Collective building site headed by the builders



Inauguration of the new library designed by the childrens



# GCA's

Example from France:  
 Ecole Jean Lurcat:  
*Students contribute in renovating their school.*

A course:

- Design Brief
- Planning/Material/Tools
- Building Full-Scale

A pilot for self-initiative in social housing and less privileged urban settlements.

School: The common ground between community & education system.

## Conclusion #1:

Both indoor and outdoor school environments that not only elevate children's learning capacity, but also promote their physical and mental health.



Conclusion #2:  
Learning about the built environment starts with the children's daily experienced school context.

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**Thank you ...**



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