RETHINKING PARTICIPATORY DESIGN:

TOOLS FOR MODELING POTENTIAL URBAN FUTURES



ARGUMENT

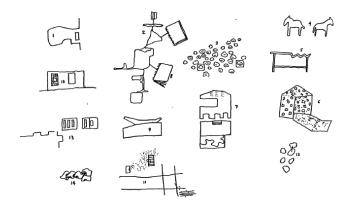
In Vitruvius's Ten Books on Architecture, Vitruvius states in the first book that the role of the architect in society is one who can do all: a person who has complete control over all aspects of a design integrated into society, with no other influences to change or manipulate the architect's vision. Today, this is to be challenged, and a new definition of the architect is to be formed. One that relinquishes complete control over a design scheme and envisages the ideas of a community. During the 1970's, many architects challenged the balance of power in the relationship between the architect and end user. This meant a rethinking of the design methodology in which participation played a key role.

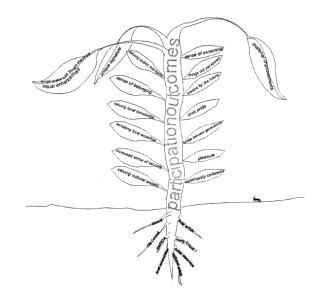
However, a new digital age in a post-COVID world is upon us, and collaborative environments will not exist without new digital mediums. Architects are responsible for harnessing the capabilities of new technologies and learning how best to deploy them in the architectural design process. In a participatory setting, architects will impart this knowledge and skillset on the participants while simultaneously interpreting and advancing their products. Through these means, a new middle ground between top-down and bottom-up urban design will be discovered.

The community at stake in this participatory design process is the students of STEAM at Dr. King Elementary School in Syracuse, New York. By involving the voices of the students, the architectural design process becomes enriched through their understanding of space and their unexpected formal and sociological intuitions. This Thesis aims to establish a community-driven learning space along the scar of I-81; one that responds to both the needs of the larger community but also provides a safe and active learning environment for the students.

"The phase of formulating the hypothesis corresponds technically to what is called in authoritarian planning as 'the project.' But in authoritarian planning this means translating into organisational and morphological structures, functional and expressive objectives that have been defined once and for all - or which are easily frozen because they follow an institutional, and therefore predictable logic of behavior and representation."

- GIANCARLO DE CARLO





PICTORIAL GLOSSAY OF MUF PROJECTS

MUF

Founded in London in 1994, MUF names their work as "a collaborative practice of art and architecture committed to public realm projects." Their work consists of urban designs where the processes of planning are left open to include the voices of others. In their projects, spatial arrangements and material resolutions are often negotiated through meetings between the public and private. MUF often creates frameworks for further action rather than specific outcomes. This methodology to their approach in designs allows the support of small claims to space, through small interjections rather than large overarching "solutions."

'PARTICIPATION OUTCOMES



COLLECTIVE MODEL

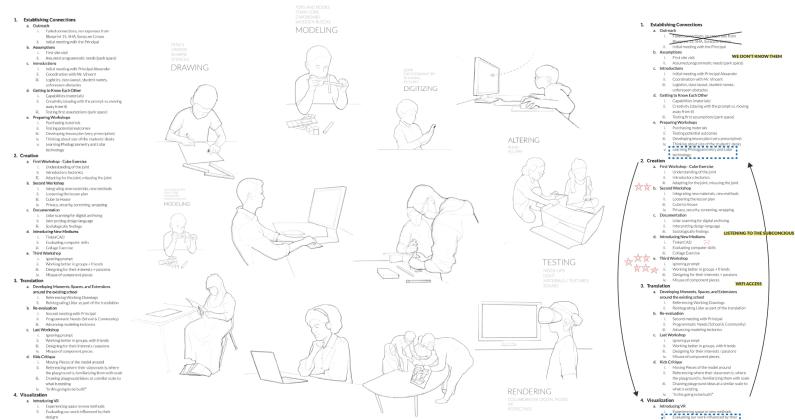


LA MÉMÉ, HOUSING FOR MEDICAL STUDENTS AT THE CATHOLIC UNIVERSITY OF LOUVAIN, 1970

LUCIEN KROLL

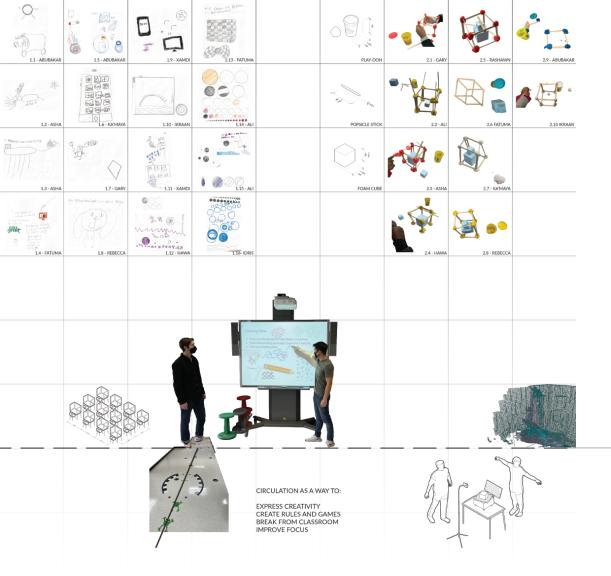
One of the first architects to start the participation movement in the 1970s was Lucien Kroll. His most famous project, known as La Meme, became an alternative method to approach the design process. Successful in its campaign. The students came to Kroll seeking a new alternative to approach the monotonous design proposed by the university. The evolving physical model became a record of the work and design methodology. This process became part of the final product.

The work of La Meme became a symbol for a new type of architecture that influenced others to adopt participatory methods into their designs. This eventually developed into a new category of self-build design. In which the users are the ones who develop and design their own projects, and the architect provides the tools, means, and methods as guidance to achieve their own vision. We looked at this project because of its outcome on the discipline of architecture, as well as how successful it became to set out its goals. The collaborative model becomes a catalyst for our own framework of design.



designs

- iii. Recognition and altering reality



The community at stake in this participatory design process are the students of STEAM at Dr. King Elementary School in Syracuse, New York. The school is part of the Syracuse City School District, and has recently dealt with funding issues. Two years ago, the school was reinstated under a new designation of STEAM learning. By contacting Principal Kuricheses Alexander, we were referred to 4th grade teacher Steven Vincent and his class of 12 in-person students. Each week, we met with the students for an hour on Monday's and Tuesday's. We constantly had to consider the capabilities of the students within that short period of time, all the while maintaining COVID-safe protocols. Each meeting served as a way for us to iterate our design process while also advancing the participants' own design capabilities.

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			32 · HAWA	3.4 · IDRIS		3.8 - REBECCA	3.10 - XAMDI		HIDING		
	WIDE POPSICLE STICK	BLUE TAPE		3.4A- IDRS	36A-RASHAWN	38A-REEECCA	3.104 - XAMDI	- CROWN	VAULTING		
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	11] 133 153 155 56					FRESHFOOD MANY STUDENTS RECEIVE PACKAGED MEALS FROM THE SCHOOL CAFETERIA TO TAKE HOME FOR DINNER					

After a couple meetings with the students, we were able to have a second meeting with Principal Alexander. We were able to gather some more information on the surrounding community and what were some of her considerations for the STEAM learning curriculum. We asked her what her school is struggling to find funding for and what she would imagine an expansion of the school would include. This is where we developed our major program list. Her knowledge of the larger community was relative ly new, since she is new to the Syracuse area, but she agreed that garden spaces would benefit the area.

Through this design methodology and participatory process, it was important to embrace unexpected results in order to better understand the way they were conceptualizing space through modeling. A lot of our interactions and conversations with the students revealed architectural operations like material misappropriation, misalignments and un self-conscious design. While it is easy to overlook tendencies like these in working with younger students, we saw it as grounds for challenging architectural convention.





