

# EARLY CHILDHOOD DEVELOPMENT AND COMMUNITY CENTRE

## IN MARIKINA CITY

Children's early years are essential in building a strong foundation to their holistic development. Utilizing the philosophy of **María Montessori**, the design project focuses on creating an experiential learning center which will aid in promoting a normal and healthy setting for the progressive education of children despite being in a disaster-prone urban poor area. Young children are given the chance to experience the city in their own scale through the translation of the **imageability** of the larger urban space into the site. Using the case of Tumana in Marikina, coping mechanisms of both individual children as well as the community in general assists in learning what the implications of climate change hazards are to youth development. This is in line with offering solutions for creating flood-resilient communal structures in an urban area. Given this, the principles of **amphibious architecture** are a driving factor on how new technologies are applied to the design and highlighting the relationship of the site to the Marikina River. Mixing the use of the space with being a community center and an evacuation shelter in times of emergency, the project produces a design for a safe and beneficial environment that can be enjoyed by children as well as other stakeholders.

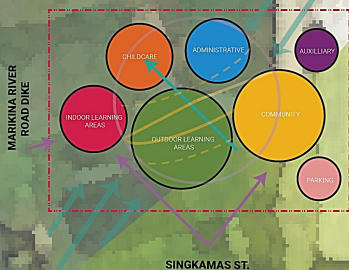
### SITE LOCATION



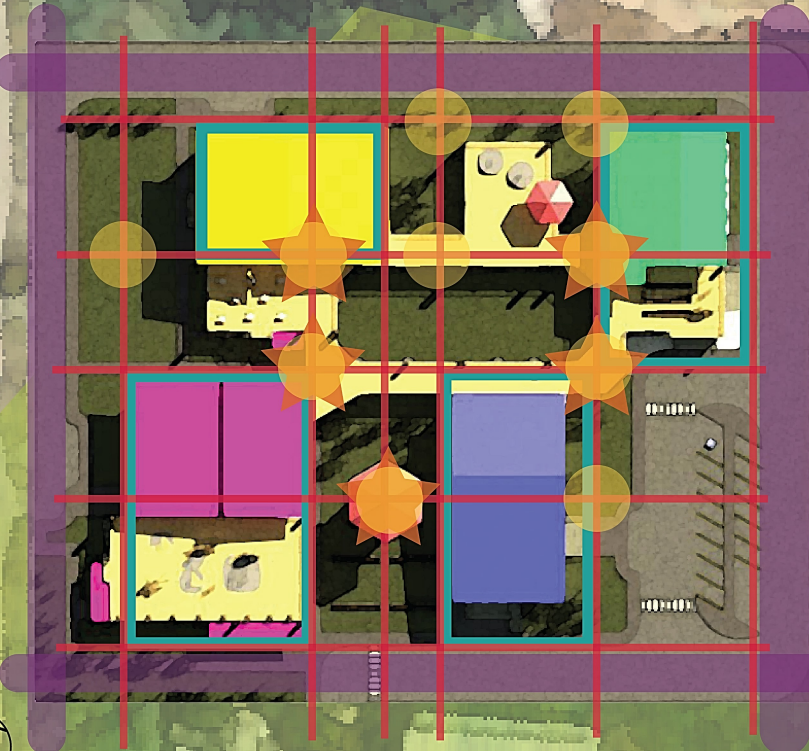
### CONCEPT FORMATION



### SITE ANALYSIS AND SPACE PROGRAMMING DIAGRAM



### SITE DEVELOPMENT PLAN



### SITE AS A MINI-CITY

- EDGES (Main roads)
- PATHWAYS (Pavements)
- DISTRICTS (Buildings)
- NODES (Gathering spaces)
- LANDMARKS (Learning pods)

### AERIAL PERSPECTIVE



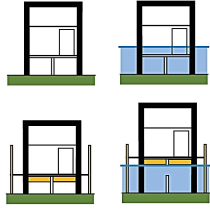
BUILDINGS FLOAT DURING TIMES OF FLOODING

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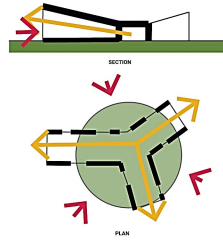
**CONCEPTS**



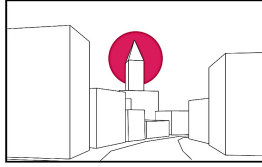
MINI-CITY



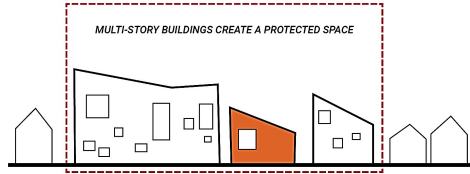
AMPHIBIOUS ARCHITECTURE



EXTROVERTED ARCHITECTURE



SPATIAL FOCAL-POINT



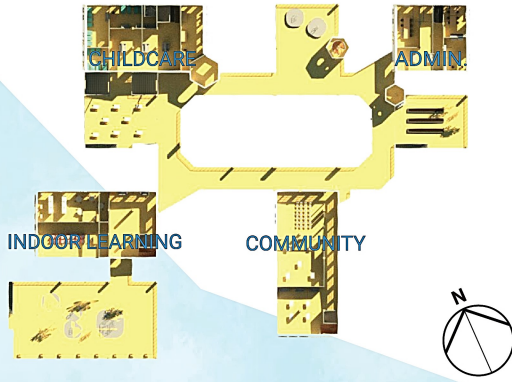
SENSE OF SECURITY



LEARNING POD

CONFERENCE ROOM ENTRANCE

**SECOND FLOOR PLAN**



CHILDREN'S LOCKERS

TOY ROOM

QUIET AREA

**GROUND FLOOR PLAN ON SITE**



FRONT ELEVATION



REAR ELEVATION



RIGHT ELEVATION



LEFT ELEVATION

