



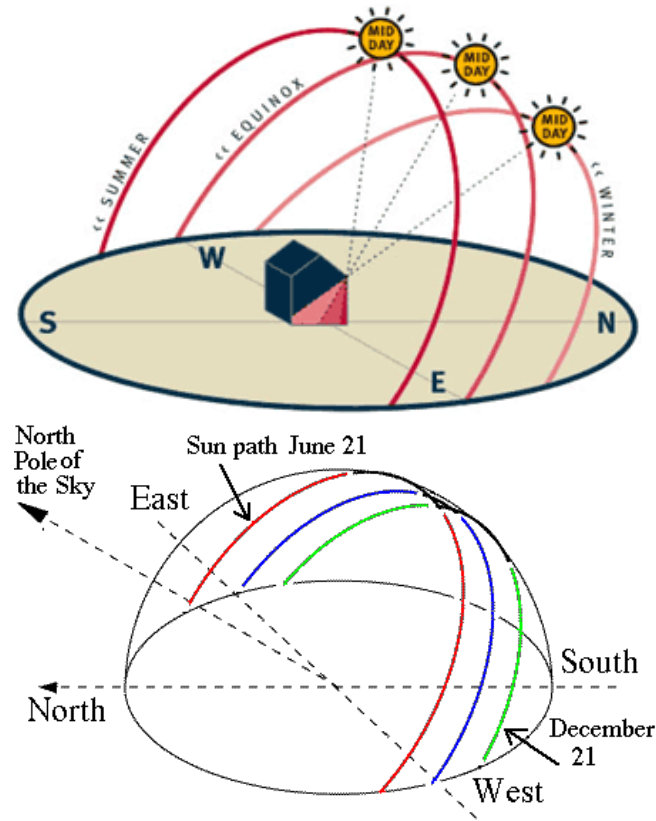
# NEW YORK CITY COLLEGE OF TECHNOLOGY

## Arch 1250 Portfolio

SITE PLAN 1250  
PROF. CALHOUN  
GENARO COBAR

# VIGNETTE 1: SOLAR ORIENTATION

The purpose of this project was to design a roof. To find out the perfect overhang to allow the winter sun to enter the house, and prevent the summer sun to heat up the house. Thermal mass was used in this vignette to show how can the solar radiation can be absorb with the right space orientation.



# VIGNETTE 2: WATER

Water is life. Water is prosperity, but without the right usage of water it becomes destructive. We as student learned the hydrological cycle. In the poster I showed what water represents to me, the necessary we have for that precious element. How chaotic can the bad use of water turns out to be. I also showed that with the right used, water becomes life, prosperity and goodness.

## Water

1250  
Prof. Calhoun  
Genaro Cobar

Water is a precious, and necessary element.

Water Has to be treated correctly, well preserved.

Water help grow crops. And maintain places green.

The diagram shows a greenhouse with a temperature of 45 °C outside and 30 °C inside. It labels 'Surface evaporator' on both sides, 'Cooled humidified air' inside, and 'Crops grow in greenhouse'. Below the greenhouse, it shows 'Fresh water storage' and 'Water return'.

# VIGNETTE 3: CONTOUR MODEL

Unique contour lines were given to student, to create a model.

When we created the model, we didn't only had to make the 2D line into a 3D model. I had to think of the most coherent way to arrange a house, vegetation, recreation, and a stream. Adding these things wasn't an act of randomness, but of thinking a logic to put deciduous, and evergreen trees.

My recreation was located on top of the hill, surrounded by trees. The house was also surrounded by trees and relatively close to the stream.



# VIGNETTE 4: SITE INVENTORY

Stuyvesant Square was the last vignette assigned to us. we learned more about macroclimate, mesoclimate, and microclimate. We research about the location of the park, transportation to the park, vegetation.

