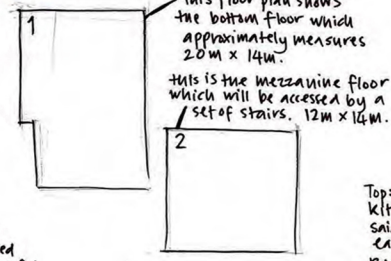
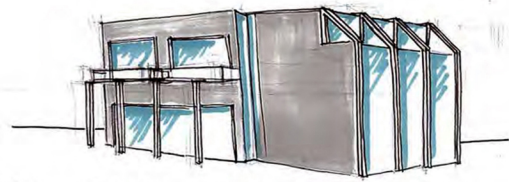


HOW WILL SPACES BE ARRANGED?



this floor plan shows the bottom floor which approximately measures 20m x 14m.

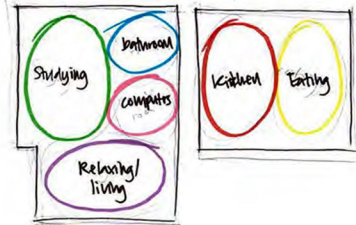
this is the mezzanine floor which will be accessed by a set of stairs. 12m x 14m.



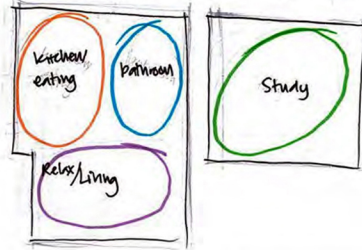
Top: the current kitchen which is said to become easily crowded
Right: the open floor area that opens north to a sunny wooden deck.



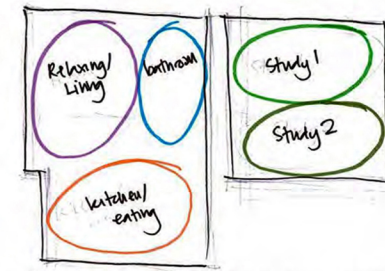
To fit the purpose of the Senior Common Room, my design needs to have certain areas and spaces. Girls I spoke to mentioned that quiet studying areas are needed to prepare for exams, large open areas for relaxing/dance rehearsals would be useful as the current senior common room has an area like that which is often used. Practically speaking, girls would need a kitchen and bathroom. Students have said that the kitchen in the current building is used a lot but becomes crowded and hard to get around during lunchtimes. I will need to have a open plan and large kitchen space so students maximize use. Study areas should be large enough to house well spaced tables and possibly computers. I will also need to consider placement of areas and sunlight so my interior layout suit students needs as well as possible.



- I moved the kitchen/eating area as I realised that it was natural for this space to be near the living space. This also means that the study area is on its own floor. This is very suitable because it is more private, quiet and separate which will increase focus.
- I took away the computer room as there was no strong need for it. Currently girls are getting along fine without computers, and this site is near the library.
- The bathroom has been expanded because a lot of girls vacate this building so an appropriate number of cubicles will need to be placed there.



- I have used the mezzanine floor as a kitchen/eating area. This could work because then the food area is separate and students could head out to the balcony to eat lunch.
- the living area would get the afternoon sun but in the morning might prove to be dark.
- I have made the study area fairly large to accommodate girls who need to school work. It's placed near the computer room. I may need to rework this because the computer room is quite small as there is limited space.
- the bathroom doesn't need lots of light so I placed it in the corner where there won't be much light - plus it can't be seen from the outside (it's not by glass windows).



- I've split the study floor into two areas; this means that the 1st space will be more closed off and private as a wall will separate it from study space 2. The 2nd area will overlook the ground floor so might be noisier making it a less serious study space. I thought it would be good for students to have a choice.
- I swapped the kitchen/eating area with the open relaxing area. The bi-folding doors will let in a lot of sun so the relaxing space can be warm and extend outdoors - similar to the current building.
- the bathroom is beside the relaxing area and not so close to the kitchen which would previously be a bad combination due to smells, hygiene etc.

3

HOW WILL STRUCTURE SUPPORT BUILDING?

The structure of a building is very significant when it comes to high-tech architecture. Often the buildings have extreme or exaggerated structural detail - much like the Centre Pompidou. I have decided to use steel framing. This is so the structure can be shown in its raw state, going with my steel detail. Wooden framing isn't industrial looking and wouldn't be able to blend in well with my building. Also, in my research for my architectural movement I found that steel and glass are commonly used because they resemble modern technology. Since a lot of my building is glass, the steel will compliment this choice of material.

closeup of top of building's steel detail

welded to create wanted angle

example of a load bearing wall

rectangular steel columns welded together

welded onto metal

bolts down securely

beam

concrete foundation

this close up shows how the steel beam is secured onto the concrete foundation

These blue lines show where I could potentially place my metal columns of the frames. Although this would hold up my common room the beams would interfere with my large glass bi-folding doors.

This option is much better suited to my building's design. The metal columns will go over the building and as well as holding it up, will be showing on the exterior. Because the front side is open it means my bi-folding doors can fully open with no interruption and easy flow.

outside is smooth-looking so building looks finished.

concrete blocks inside

the wall will be properly insulated so students will be warm in winter

mesh

support

ground

concrete foundation well below the ground to make building stable

Two of my building's walls will be load bearing concrete walls. It is appropriate because there are no windows on these facades so installation will be easy. The concrete will also do with the steel aesthetically because the concrete will be exposed from the outside. High-tech architecture usually has raw, exposed materials on the outside.

2

Other student work submitted has not been included in this exemplar