

# DESIGN CONCEPT

## URBAN OASIS

Living in the downtown of Hong Kong, open space is an urban oasis which provides multiple functions to cater for widespread public demands. To create a sense of comfort, an urban oasis is willing to establish in this site. In this design, both natural and artificial green features would be adopted. In the site, a stage and a set of circular tiered seat are representing the current living environment in Hong Kong. Under a very crowded city, there are A river with 3 artificial trees in site is designed for representing the eager of citizen for greenery design. Through planting trees and planters in this site, it is a bridge for urban citizens to discover and live with natural feature. Hence, most of the facilities and equipments in this site would adopt wood as the major material so as to emphasise natural and minimalist design.

### Human Needs

Due to restricted physical abilities, children and elderly people have limited mobility so the nearby open space is important to promote a health lifestyle for both children and the elderly. In this project, our target group of users are children and the elderly. We are willing to provide a comfortable central point for all of the residents nearby.

Facilities	Age
Nursery	2-6
Kindergarten	2-6
Youth centre	3-30
Lounge for elderly	≥ 60
Day care centre for the elderly	≥ 60
Day activity centre for the mentally handicapped	≥ 15

Fig. 1 Facilities in Prosperous Garden

School Nearby	Age
<u>Primary School</u>	
Yaumati Catholic Primary School	≥ 5
Church of Christ in China (CCC) Wanchai Church Kei To Primary School	≥ 5
<u>Secondary School</u>	
Tung Koon District Society Fong Shu Chuen School	≥ 11

Fig. 2 Schools near Prosperous Garden

Since there are nursery, kindergarten, schools, care centre for the elderly and the mentally handicapped, an all aged playscape should be developed.

Play is the way for children to develop mental and physical abilities so children require space to engage in play and recreational activities. Since children usually go to parks accompany with their parents, a space for the parents to take a rest and supervise their children should also be developed. On the other hand, a safe paved area with outdoor fitness equipments should be designed so as to meet the needs of the aged group. Hence, an intergenerational playscape with well-developed facilities would be important for the residents of Prosperous Garden.

The survey results also shows that most of the elderly would visit the site in the morning. More than 50% of the elderly would visit the space from 6am to 9 am. The second most popular time range for the elderly is from 6pm to 11 pm. It reflects that this target group is willing to visit the park under hazy sunshine and moonlight since the temperature of these two ranges would be relatively lower than the noon time.

By comparing with the elderly, the children which aged in between 3- 12 usually visit the site after school. Regarding to Figure 5, the questionnaire reflects that more than 80% of children would visit the park at around 3-6 o'clock in the afternoon. The second popular time range is from 6pm-11pm. It shows that the park usage time of children are mainly focus in the afternoon and at night.

After reviewing the usage habit of two focus groups, it shows that the major usage time between the elderly and the children is different. Hence, the space could consider to install intergenerational facilities and equipments for both groups. Through sharing the same equipments, the allowable facilities usage coverage for both children and the elderly would be the same. Meanwhile, it could also increase the social interactions between different ages of people by adopting intergenerational design.

### Usage Habit

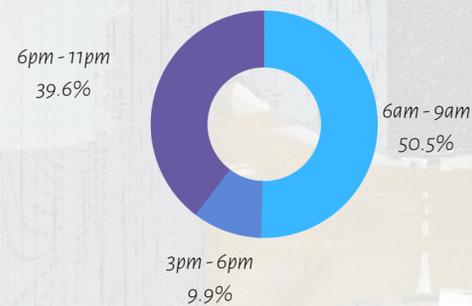


Fig. 3 Usage Time of the Elderly which above 60

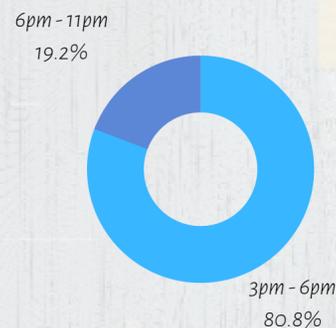


Fig. 4 Usage Time of the Children aged in between 3-12



## PASSIVE PLAY ZONE

Leisure zone is a passive open zone for people to communicate and understand their neighbourhood. Apart from putting seating and tables for people to communicate, the landscape with watercourse, tree masses and decorations may allow residents to relax and release stress.

In this design of the open space, the site is separated into two parts by a thin artificial river. The major active activities would be taken in the left side and the right side with the circular tiered seat would be majorly use for passive leisure activities.

## ACTIVE PLAY ZONE

Outdoor active activity is beneficial for our physical health, mental well-being cognitive and social development so this site is required to provide facilities for this purpose. In this site, many facilities would support for active activities. There are two playgrounds for different age groups of children to play. A outdoor fitness facilities and the stage could be adopted to promote regular exercise.

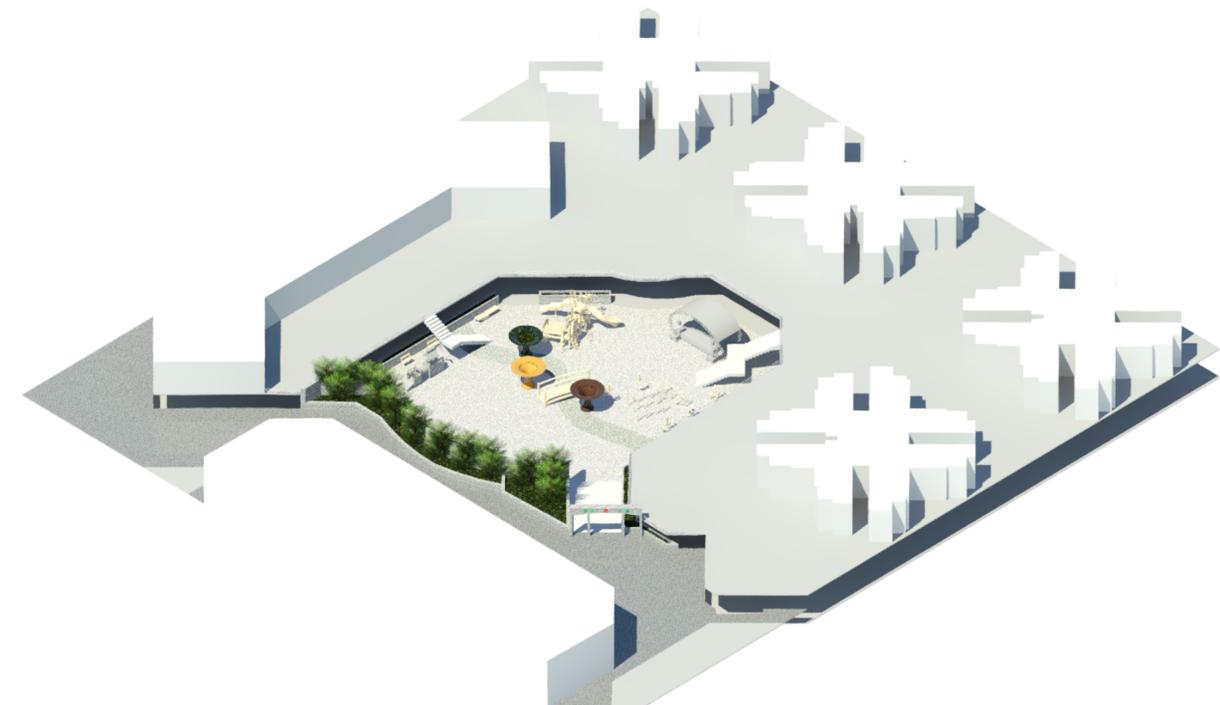
In this site, 2 playgrounds and a free outdoor fitness station would be provided as the active play zone.

### Playground: Train Section

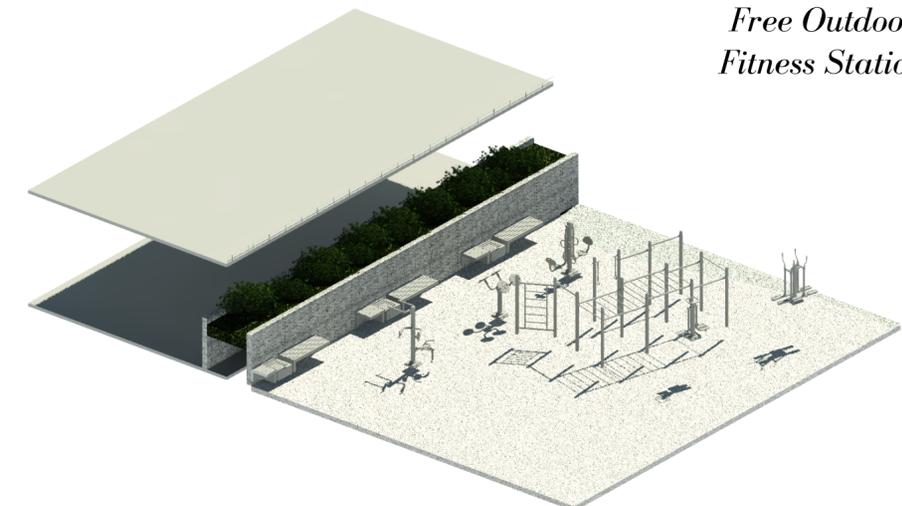


### Playground: Car Section

Playground is a place which would provide a variety of play equipments with different age groups and activities. There are 2 play equipments are installed in the site for the development of different age groups of children.



### Free Outdoor Fitness Station



In this open space, a fitness station with multiple free outdoor fitness facilities would be installed to promote regular exercise to the local residents. The fitness equipments provide from the fitness facilities comprise pull-down machine, Tai Chi wheels, stepping platform and upper back stretcher, etc. The following table shows part of the fitness equipments that we adopted in our design.

# URBAN OASIS

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## MAJOR FACILITY

### Intergeneration harmony

It is desirable that if elderly are able to use facilities with children together in the same area, which can be easily achieved through facilities placement. However, it may leads to different kinds of safety concerns and management problems to the staff. Therefore, striking a balance between an ideal and practical concerns is a must. Our design geographically separate some of the facilities for both elderly and younger playscape users in order to minimize the potential safety hazards to all users, like risk of falling.

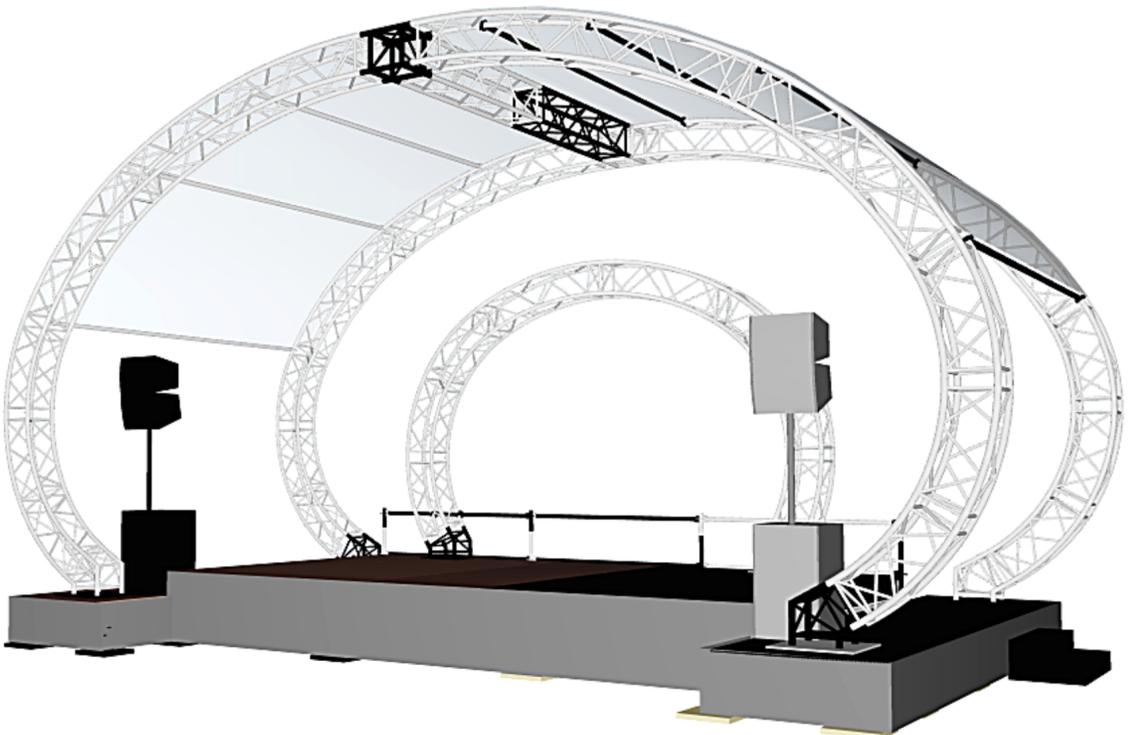
Instead of placing the facilities in a common area, our design provides a common leisure area for facilities users regardless of their age and gender. It is believed that the common leisure area helps to provide a platform for interactions between users, which helps to promote intergeneration harmony. Apart from that, the application of technology also helps to facilitate the cross-generation interactions.

### Stage

The major purpose of the stage installation in this site is willing to promote exercise. Coaches could be invited to teach residents doing exercises with music regularly is the stage is placed.

If there is any special events, the stage could also be used to promote the activities and held concerts.

In front of the stage, there is a space called Space A. Regularly, it is a zone which provide space for residents to do exercise. If special events is going to held in Prosperous Garden, the space could be used for placing booth.



### Pull-Down Machine

User Range: 13+ Years  
 Product Categories: Freestanding Play  
 DimensionsMax Fall Height:  
 EN Training Zone: 6'2" x 6'8" (1,88 m x 2,03 m)

Pull-down Machine is adopted for pull-down exercise to train the back muscles. Users could pull the hanging bar down toward themselves. When the bar reach the chin level, users could release it back up. This exercise targets the latissimus dorsi to train the users with proper posture to ease pulling movement.



### Stepping Platform

User Range: 13+ Years  
 Dimensions Max Fall Height: Adjustable

Stepping on and off of a platform targets the quadriceps muscles. This workout could raise heart rate to produces a stronger cardiovascular system and to burn calories. Hence, it is an exercise which could improve cardiovascular health to raise HDL level and help people fight heart disease.



### Tai Chi Wheels

User Range: 13+ Years  
 Product Categories: Freestanding Play  
 DimensionsMax Fall Height:  
 EN Training Zone: 6'2" x 6'8" (1,88 m x 2,03 m)

The Tai Chi Wheels comprises with 4 large rotary wheels with adjustable resistance. By turning the the wheels into different directions, the muscles near the shoulders have to rise and lower the arms to provide shoulder flexibility.



In this project, we would like to adopt the Tai Chi Wheels which could be flexible to adjust the machine height so as to allow all age groups to utilize this equipment

### EQUIPMENT DETAIL

- Climbing Equipments
- Ladders
- Slides
- Tic Tac Toe
- Wheel



### Playground: Car Section

#### AGE: 3-12 YEARS OLD

- PHYSICAL DEVELOPMENT**  
 Large motor skills being developed  
 Developing muscular endurance  
 Developing equilibrium and balance
- SOCIAL-EMOTIONAL DEVELOPMENT**  
 Play in small groups or alone  
 Learning to share  
 Enjoys reputation  
 Beginning differentiation in abilities
- DESIGN CONSIDERATION**  
 Equipment that promotes movement  
 Problem-solving equipment  
 Collaborative play opportunities  
 Height and surface of facilities should be safe for climb and run  
 Design the leisure zone for children to take a rest  
 Design the leisure zone for adults to monitor their children

In the car section of the playground, it is used mainly for the children who are over 3-year-old. This play equipment contain climbing equipments, ladders, slides tIC Tic Tac Toe and wheel equipments for children to learn develop both physical and social-emotional development so this is the largest play equipment in site so as to allow children to play in groups.

Children in the ages between 3-12 would participate in multiple cooperative games in park. Thus, place for collaborative problem-solving question, competitions is provided in this part, competitions and games like Tic Tac Toe, sliding, climbing would be hold in this play equipment.

### Playground: Train Section

#### AGE: BELOW 3 YEARS OLD

- PHYSICAL DEVELOPMENT**  
 Walks and Talks; jumps; climbs and creeps
- SOCIAL-EMOTIONAL DEVELOPMENT**  
 Play alone but near others  
 Usually require adult support
- DESIGN CONSIDERATION**  
 Height and surface of facilities should be safe for climb and run  
 Design the leisure zone and extra space for adults to play with children and monitor them

In the train section of the playground, it is used mainly for the children who are below 3-year-old. This play equipment contain climbing equipments, ladders, slides and wheel for children to learn walking, jumping and climbing. Meanwhile, many sets of handle are used so as to provide support while children is climbing and walking in this playground.

### EQUIPMENT DETAIL

- Climbing Equipment
- Ladders
- Slides
- Wheel

