



The 7 primal movements can be translated to all sort of wellness objectives, and set no boundaries to age or physical abilities.

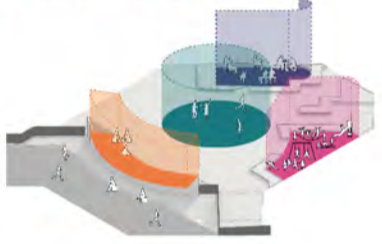
Children of all age can explore the adventurous crXscape landscape, the 7 elements of Play can be applied from toddlers to early teens, and even to adults and elderly.

Motivation is vital for the wellbeing of elderly, a socially welcoming setting encourage elders to get together and get moving. Whether they are doing Tai chi, crXscape programs or simply stretching out.

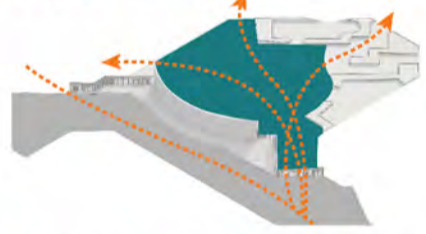
crXscape Park at Prosperous Garden

Site Constraints

1 ISOLATION



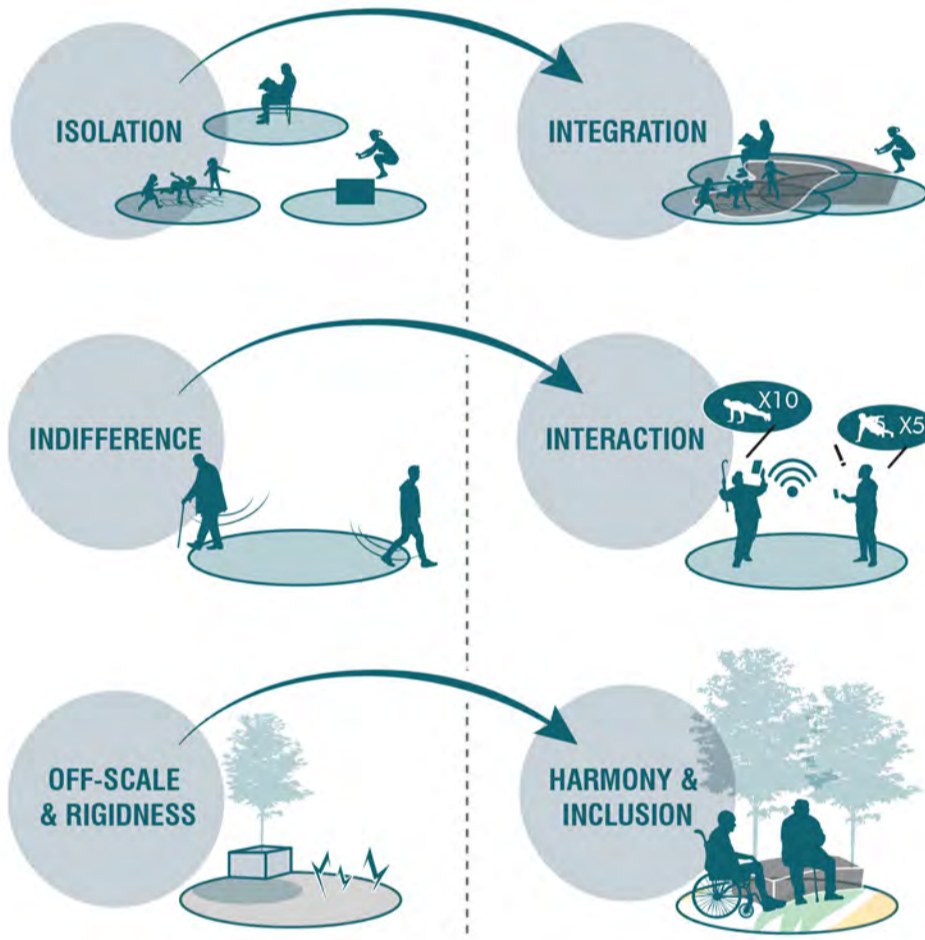
2 INDIFFERENCE



3 SCALE & MATERIALITY

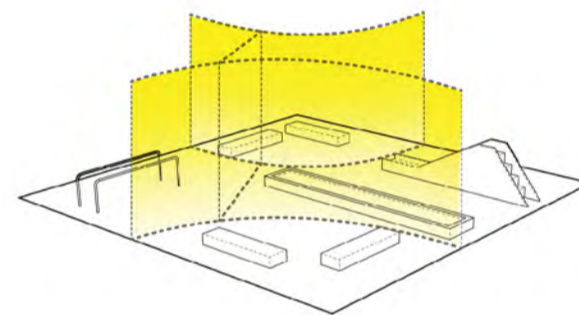
~3000m² of monolithic hard paving
20% of planting area
<7% of area offers upbeat colours

3 Drivers for Intergenerational Play Space



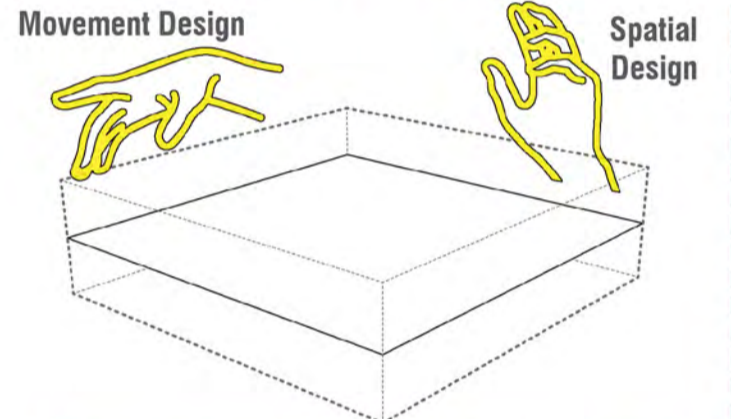
The crXscape Concept

Introducing the knowledge of Body Movement Ergonomics and Play into one integrative design approach

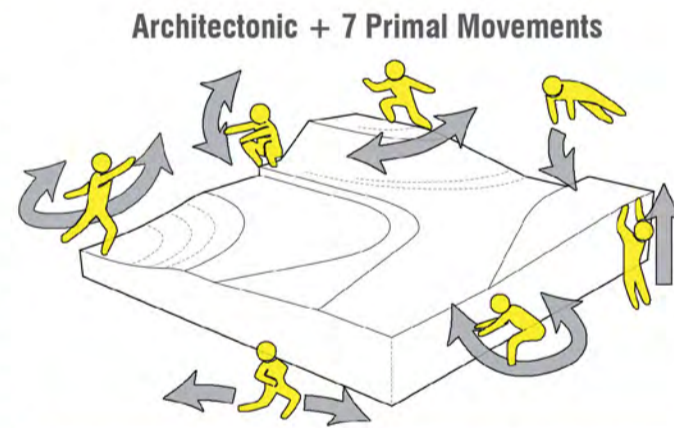


Conventional Public Realm Design

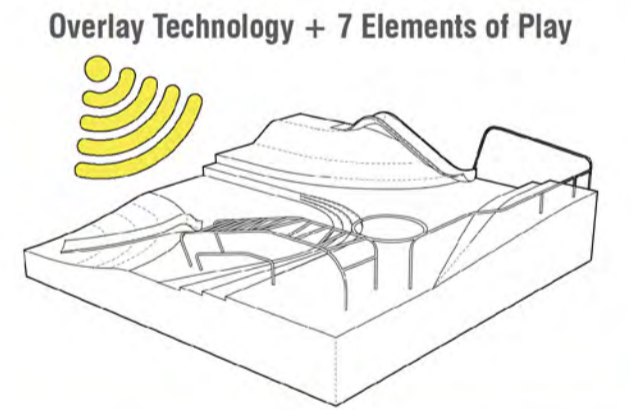
Isolation | Indifference | Maintenance Driven



Reimagine Space as a 3 Dimensional Play Dough



Crossing Knowledge of Space and Health



Play | Wellness | Fitness | Social Interaction

Adaptable Play Space throughout the Day

Weekdays

- 6 AM - 9 AM**
 - Elderly doing group exercise & socialise
 - Young Adults / Adults training
 - School kids playing before heading out
- 9 AM - 12 PM**
 - Parents / Grandparents playing with Toddlers
 - Elderly chit-chatting
 - Working dad takign a coffee break from home office
- 12 PM - 6 PM**
 - Parents / Grandparents playing with Toddlers
 - Elderly chit-chatting
 - Teenagers busking after school
 - A Casual work session outdoor with a tablet device
- 6 PM - 12 AM**
 - Young Adults / Adults doing exercising / chit-chatting
 - Adults / Elderly group exercising
 - Elderly playing chess and chit-chatting

Weekends

- Elderly doing Tai Chi, exercise & socialise
- Young Adults / Adults doing exercise
- Parents / Grandparents playing with Toddlers / Pre-schoolers
- Gradeschoolers / Teens hanging with their friends
- Young Adults / Adults doing exercise
- Elderly chit-chatting with each other
- Parents / Grandparents playing with Toddlers / Pre-schoolers
- Gradeschoolers / Teens hanging with their friends
- Young Adults / Adults doing exercise
- Elderly chit-chatting with each other
- Young Adults / Adults gathering & chit-chatting
- Young Adults / Adults group exercising
- Teenagers busking

7 Primal Movements

Movement is the key to Longevity. The more we "move", the healthier we are physically and mentally.



7 Elements of Play

Play is not limited by age, it is also a key ingredient to the well being of our body, from development to maintenance.



Granny Chan, 82
6:15 A.M.

"I realise more people are getting up earlier since we have this new garden, for us octogenarian this is our golden social time. I like this new layout, it feels more upbeat than before. And once in a while I bring my 4 year old grandson here in the afternoon too, he loves that slide, and I can do some stretching."

Samuel, 38
8:20 A.M.

"I have more time in hand recently, but I don't want to spend money in the gym. I'm a newbie in fitness so working out here suits me better, well I'm more about chilling here with a coffee in the morning to be honest."

Archie, 8
8:20 A.M.

"We now meet our friends earlier before the school bus arrives, so we can play for a bit before heading to school. Well although I need to get up a bit earlier but that's all good, dad sometimes join us with this snake game, he's the ref to catch anyone cheating."

Anna, 32 and Jonathan, 2
4:00 P.M.

"Jonathan loves the colour and those bumpy ground where he could crawl, climb and explore around. I felt like he's having his own adventure every day when I take him outside in the afternoon."

Yoko, 16
4:00 P.M.

"Our basketball team training has been on and off recently, but now I could train outdoor and focus on developing calf muscles through with the crXscape programs I found in the app. I am so going to return to the court jumping higher and stunt my teammates!!!"



Intergenerational Play Space: The crXscape Park

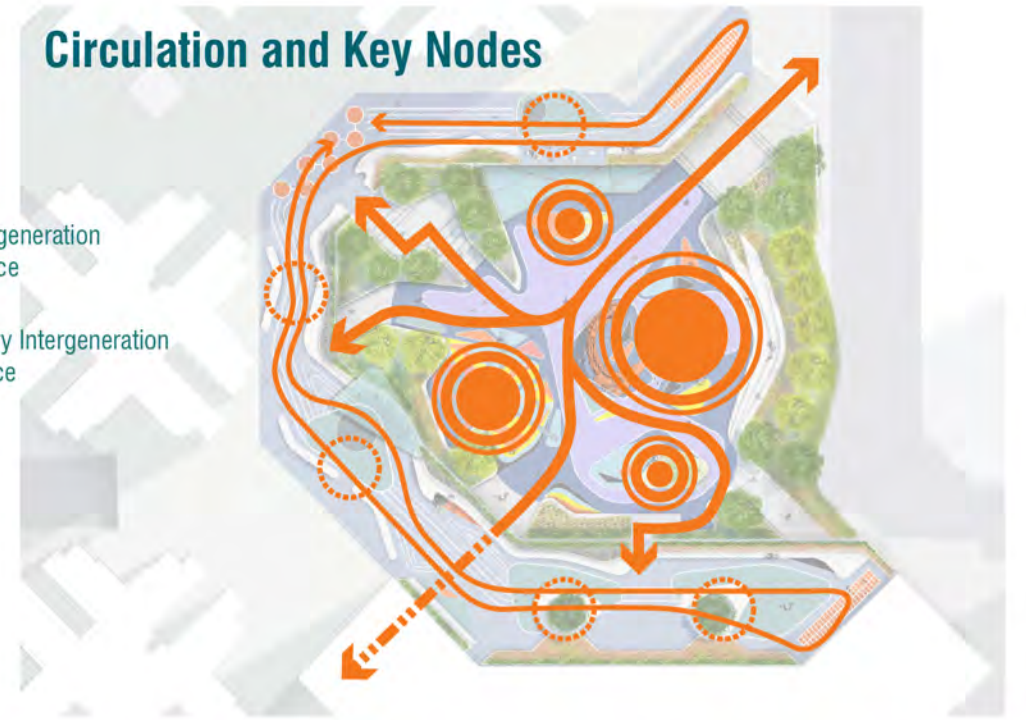
With our proposal, we wish to transform Prosperous Garden into a hub that connects with the adjacent elderly and youth facilities, and become a place for all, residents, neighbouring communities and even visitors to enjoy the outdoor moment as a community.

We wish this idea would not just be confined to Prosperous Garden, but as a new movement to a more sustainable society.



Circulation and Key Nodes

- Key Intergeneration Play Space
- Secondary Intergeneration Play Space



Our proposal aims to restructure Prosperous Garden through the following design features

-Through our crXscape approach, we deliberately dropped the functional zoning approach and focused on creating quality, playful yet functional open spaces. Our approach creates a seamless and sculptural terrain instead of inserting stand-alone equipment, hence reduces maintenance requirement.

-Through the use of colour and planting, we aim to create an uplifting spirit, and improve sensual stimulation.

-Through in-depth knowledge of physiology and psychological aspects, we redefine the notion of "Play"—playing is for all and is at everywhere.

Legend

- 1** Amphitheatre - Terraced seating out area for both passive or active use
 - 2** crXscape landform - Sculpted terrain for both passive and active use
 - 3** Sculptural Slide - A crXscape feature play element
 - 4** Open Activity Zone - Open area for group dance, tai chi, classes, games or events
 - 5** Boardgame-integrated Play Zone - Super graphics at ground surface to aid interactions
 - 6** Chess Board Grid Play Zone - Super graphics at ground surface to aid interactions
 - 7** Canopy & Covered Play Area - Monkey bars, flying fox and shaded seating area
 - 8** Running Tracks on Podium - Brining colour and actions to the podium level
 - 9** Covered Sitting Area - A place to appreciate an animated community from above
- Elderly Centres
 - The Salvation Army YMT Integrated Service for Young People

From Screen to Space | Connecting Space, Knowledge and Technology

USERNAME : Mary
AGE RANGE: 25-35
"With current social distancing regulations, I cannot go the gym anymore, but this space has allowed me to carry out my daily workouts with virtual tutorials. XD"

USERNAME : David
AGE RANGE: 55-65
"At this space, I am encouraged to do a variety of exercises through learning their benefits to my body. Today I might play on the slide to boost my leg-hip flexibility!"

Play Space through "Gamification" Sensors

Push
When users are doing push-up, the Infra-red (IR) proximity sensor will help to detect the distance between the head and ground in order to count the push-ups.

Pull
A set of piezoelectric benders will be set on the bar and it will help to do the counting when users press on the sensors.

Rotate
Since the detection of action "rotate" requires the tracking on full body, motion tracking is required to detect user's movement at the particular area.

How to Watch AR Tutorials

- Step 1:** An QR code will be placed in the facility. User can the QR code to open the application on smartphone.
- Step 2:** Camera will be opening up. User can hold the phone to capture the facility.
- Step 3:** User can walk around the facility until the AR shows up.
- Step 4:** User can watch and learn the gesture and movement by moving back and forth from the AR tutorial.

Gamification, Competition and Motivation

- 1** Upon arrival to the site, users' devices will be notified with a message for upcoming workout challenge.
- 2** The willing participants will be matched as opponents to compete in a live workout contest and the sensors will record their performance.
- 3** The winner with the higher score will be ranked in the High Score board and they may share their victory with the community!

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Colourful super graphics not only brighten the atmosphere, they are functional demarcations for gaming and training/exercising purpose.

AR Games

Chess
Says who we have to stick with the chess board on a table these days, we could play a game of chess in the middle of a park with another player in the area.

Snakes and Ladders
Remember your favourite board game? You can now participate physically on the board (the ground) with a virtual dice!