neoscape

Learning journey of integrated sustainable landscape starts here!

Prince's® SINCE 1995
LANDSCAPE & CONSTRUCTION PTE LTD

Prince's Landscape & Construction Pte Ltd | 53 Sungei Tengah Road Singapore 698998 | **T** +(65) 6763 7000 | **F** +(65) 6892 2700 | **E** plant@prince.com.sg

neoScape

With an unwavering objective to support Singapore as a City of Gardens and Water, Prince's Landscape offers its new product line, NeoScape, an integrated sustainable landscape. Conceptualised as a form of integrated landscaping, it evokes seamlessness with a combined choice selection of the following: Rain Garden, Bioswale, Wetland, Floating Garden, Vegetable and Herb & Spice Garden, Butterfly and Dragonfly Garden, Ecopond, Nature Walk and Hi-Green Vertical Wall.

Making it more sustainable, NeoScape improves the quality of rain and storm water through our state-of-the-art rain water harvesting technique. Energy-saving irrigation through the utilization of solar power is also employed to enhance the sustainability of the landscapes and integrate them in a dynamic environment.

Aesthetically appealing, Neoscape is designed to fundamentally instill knowledge in an outdoor setting. Clients may be able to choose, if not all landscapes, either one or more, to be able to fit into their requirements and space limitations. People of all ages will be able to interact with the natural habitat of flora and fauna around them.

Learning journey of integrated sustainable landscape starts here!

Rain & Storm Water will be collected for Rain Garden.

Energy-saving **Irrigation** through Solar Power


Rain Garden is a shallow depressed garden which maximises rain and storm water runoff. Underneath is a water retention tank which aids in sustainability of the Rain Garden.

Hi-Green Vertical Wall uses drip-irrigation system powered by solar energy.

A **Bioswale** removes silt and pollutants from surface runoff water along its carriage to Wetlands.


Wetland represents the meeting of two habitats, both land and water. Vegetation serves as filter for pollutants and sediments from waste water and surface water.

A **Floating Garden** is an artificial green island in ponds, wetlands, and reservoirs for habitat. It improves water quality in limited spaces.

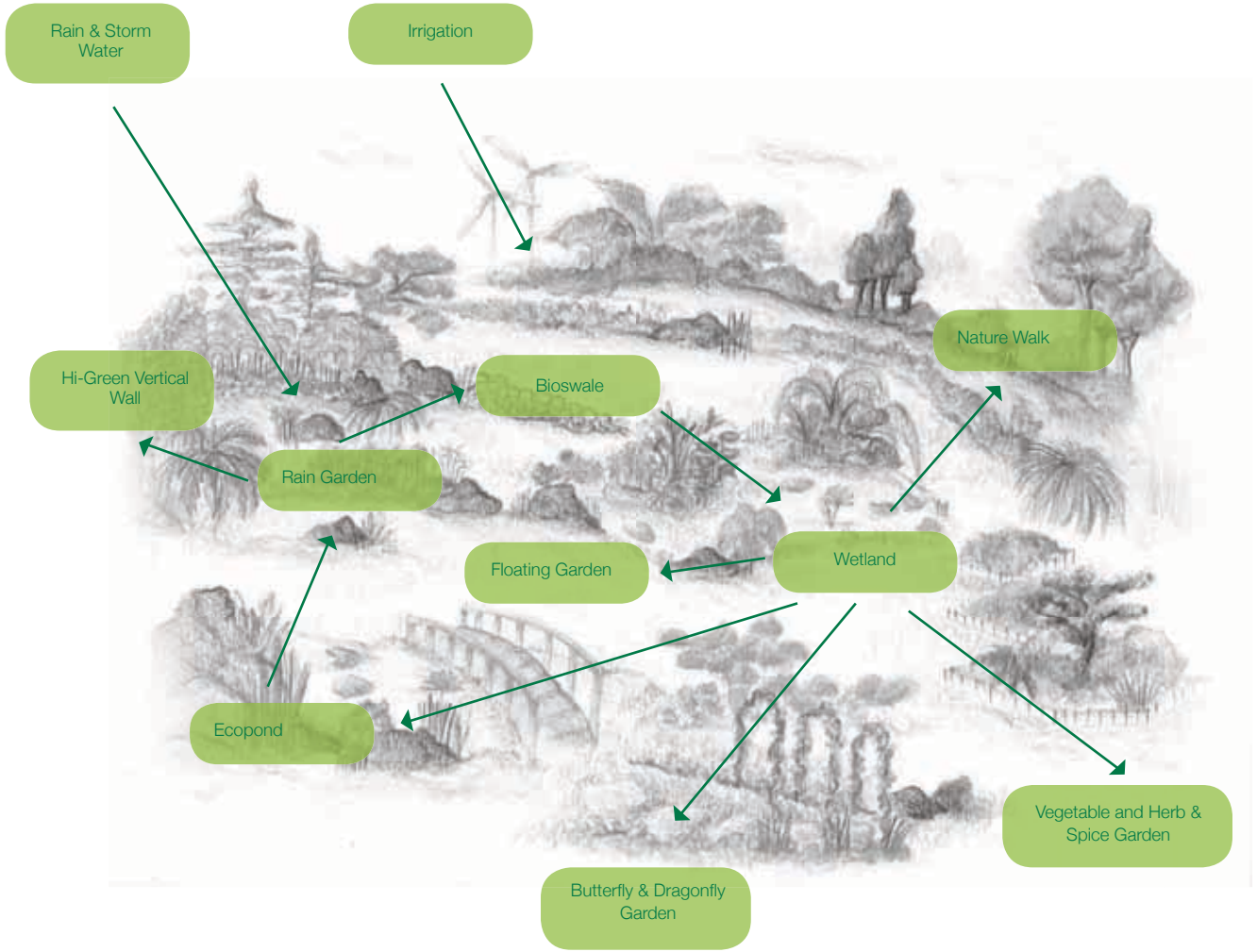

Butterfly and Dragonfly Garden makes a good natural habitat for insects and a good educational experience.

Vegetable and Herb & Spice Garden ensures educational value, attractive aroma, and improves social interaction.


Ecopond can be a habitat to fishes, birds, dragonflies, butterflies, and other animals. Integrating water feature adds to its aesthetic value.

A **Nature Walk** makes a realization to the beauty of nature and a deeper understanding of the relationship between flora and fauna.

Overview



neoscape

Rain Garden

A Rain Garden is an efficient and environmentally sound solution to maximise the rainfall and storm water runoff, which will then be treated and filtered for usage. Designed as a shallow and depressed garden, it becomes a native habitat to butterflies, birds, and beneficial insects. Rain gardens are effective in removing unhealthy nutrients, chemicals, and sediments from the rainwater runoff, thus minimise the presence of pollutants such as bacteria, dirt, fertilizers, chemicals, etc, through vegetation and filtration media.

ADVANTAGES

- Promote biodiversity through a garden habitat
- Improve water quality by filtering out pollutants
- Aesthetically appealing
- Preserve native vegetation
- Provide localised storm water and flood control
- Provide a good living environment
- Attract beneficial birds, butterflies and other insects, thus creating a natural habitat for dwelling
- Remove stagnant water, thus reduce mosquito breeding
- Ease of maintenance
- Offer sustainable solutions

Bioswale

Bioswales are stormwater conveyance systems designed to remove silt and pollutants from surface runoff water. They consist of a swaled drainage course with gently sloped sides and filled with vegetation, compost and/or riprap. The path where the water flows, along with the wide and shallow ditch, is designed to maximize the time water spends in the swale, which aids in the trapping of pollutants and silt.

Bioswales not only convey larger stormwater volumes from a source to a discharge point but also intentionally promote slowing, cleansing and infiltration along the way.

ADVANTAGES

- Serve as storm water runoff conveyance systems
- Storm water management
- Improve water quality by filtration and vegetation

Wetland

Wetlands are areas of land that are covered with water and feature species adapted to life in a saturated environment. They are shallow and allow not only the growth of rooted or anchored plants but also free floating plants. Wetlands represent the meeting of two habitats, both land and water.

In addition to being unique ecosystems, wetlands also act as a filter for pollution and excess sediments. This is important because rainwater runoff is normally laden with dangerous pesticides and other pollutants. Constructing wetlands can be a relatively low-cost method for treating waste water.

Wetlands also aid in flood protection as they act as sponges that absorb rain and floodwater. Inland wetlands also prevent erosion because the roots of the wetlands' vegetation hold soil in place.

ADVANTAGES

- Suitable treatment system for waste water and storm water.
- Provide aesthetic, commercial and habitat value
- Water quality improvement
- Low maintenance requirements and operational costs
- Low or no energy requirements
- High-design flexibility
- Offer sustainable solutions
- Robust and effective treatment

Floating Garden

Lifted from the Aztec's concept of agriculture long time ago, anyone can grow plants on an artificial island in ponds, lakes, and reservoirs. Through Prince's meticulous research and development, a wide array of plants can flourish into this modern way of landscaping.

ADVANTAGES

- Planting method can extend the growing area especially where land is scarce
- Economical and sustainable
- Aesthetically appealing
- Promote biodiversity by providing shelters for fishes and other aquatic organisms
- Plants on the floating garden aid to purify water on a larger scale

Vegetable and Herb & Spice Garden

Growing vegetables and herb & spice garden has become a part of landscaping, not only for aesthetic purposes, but also for consumption. Also, it promotes gardening as a hobby, a relaxing escape from the pressure of an urban environment. Growing fresh vegetables, herbs, or fruits provides a great sense of joy and accomplishment.

The plants grown are far incomparable in taste, quality, or freshness with vegetables sold in retail.

ADVANTAGES

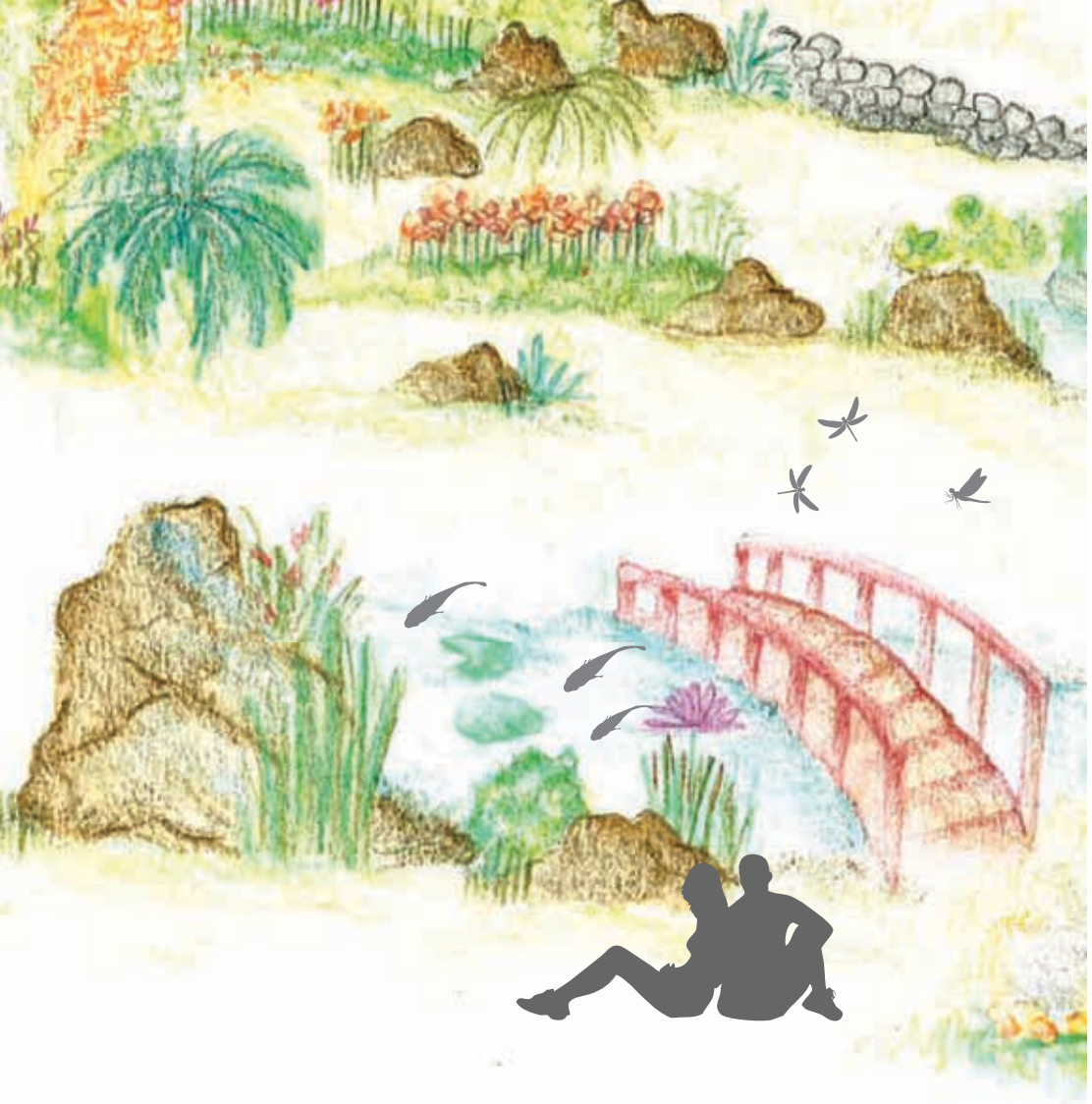
- Aesthetically appealing
- No harmful chemicals to vegetation
- Promote social interaction
- Create balance in the ecosystem by reducing the demand in the market
- Effective way of relaxation

Butterfly & Dragonfly Garden

Butterflies and dragonflies are two of the most beautiful and interesting insects on earth. Due to urbanization, many natural butterfly and dragonfly habitats have been lost. With the right selection of plants, it increases and enhances the number and variety of different species. A perfect learning experience with knowledge on the mutual relationship of these species to plants as well as their life cycles.

ADVANTAGES

- Aesthetically appealing
- Create natural habitat for dragonflies and butterflies as well as other insects
- Dragonflies are bioindicators for freshwater ecosystem
- Promote biodiversity through a garden habitat
- Create balance in the ecosystem
- Ease of maintenance



Ecoponds are perfect pockets of space to any landscape. They promote learning to a whole new level. People will be able to experience first hand seamless relationships of flora and fauna. The soothing sound of the trickles of water from the water feature certainly makes a weary soul in tranquil mood.

They also create perfect habitats to dragonflies, water beetles, and amphibians, to live harmoniously with one another.

Ecopond

ADVANTAGES

- Provide aesthetic, commercial and habitat value
- High-design flexibility
- Create natural habitat for dragonflies, water beetles as well as other amphibians
- Promote biodiversity through a garden habitat
- Create balance in the ecosystem
- Ease of maintenance
- Offer sustainable solutions

Nature Walk

A nature walk ultimately aims to integrate social interaction with the abundance of the earth's natural habitat. Planted with diverse plant species, people may be able to gain knowledge of their characteristics, distinctiveness, and their reaction to different environmental conditions.

Treading the path of this trail, one recognises the value of nature, and how it interacts with the rest of the inhabitants. This truly becomes a perpetual learning experience, towards attaining a sustainable place to flourish.

ADVANTAGES

- A great opportunity for learning
- Promote social interaction
- Create natural habitat for animals
- Provide aesthetic, commercial and habitat value
- High-design flexibility
- Promote biodiversity through a garden habitat
- Create balance in the ecosystem
- Ease of maintenance
- Offer sustainable solutions

Vertical Green Wall

HI-GREEN

Prince's Hi-Green Vertical Wall Systems use a specialised "live" hydroculture technique to ensure sustained plant health. System components include Prince's unique water and nutrient-absorbent planting medium, Hi-Green Lite Composite, together with the irrigation system and, where necessary, water reservoirs in individual planters. These components reduce the watering requirement and helping to make Hi-Green Vertical Walls ultra-low maintenance systems.

Prince's Hi-Green Systems create an instant visual impact, are easily installed, low-maintenance and an environmentally-friendly way to enhance the environment.

ADVANTAGES

- Control temperature
- Mitigate UHI (urban heat island) effect
- Conserve energy
- Improve air quality and livability
- Reduce noise and energy usage
- Retard fire
- Give rise to healthier, happier, more creative people
- Aesthetically appealing