

DISCOVERY GREEN



Hargreaves Associates

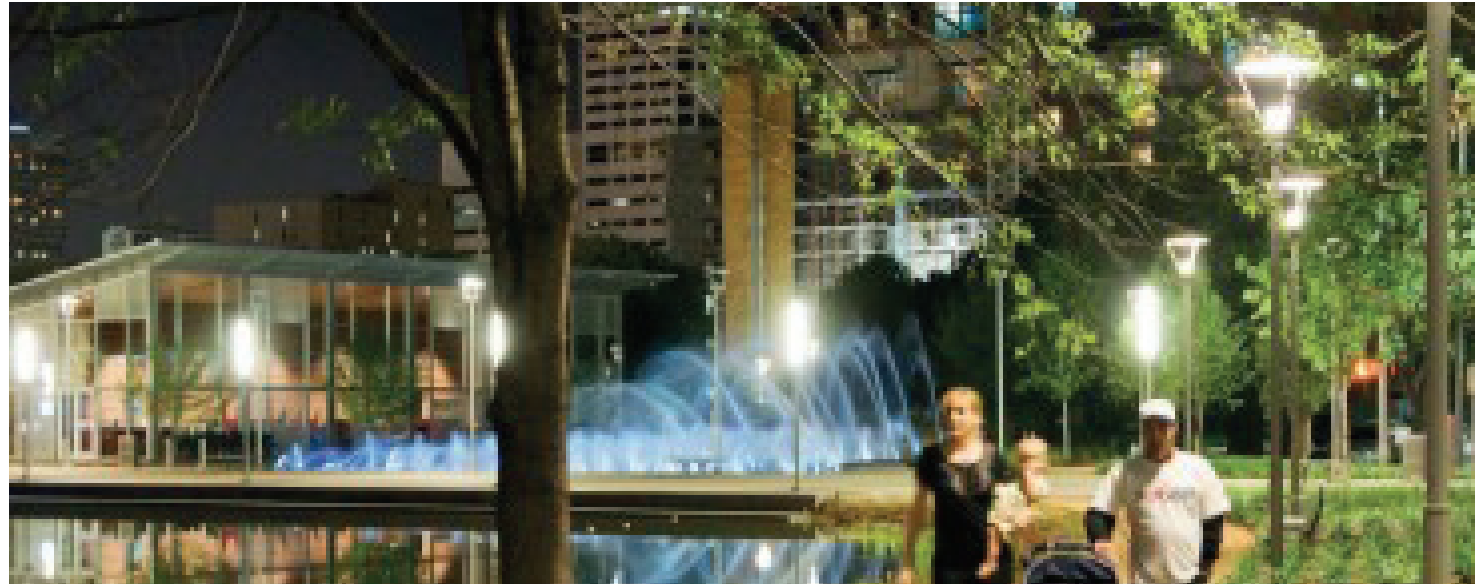
Houston, Texas

Mission Statement

Public Interaction

Discovery Green achieves its mission statement through the use of educational areas. In these spaces the public is taught about a more sustainable future. Through teaching and also through the design of the park, people begin to understand the possibilities of green societies within parks.

The park also serves as a community hub for the surrounding areas. Here people can interact with others from all different neighborhoods.



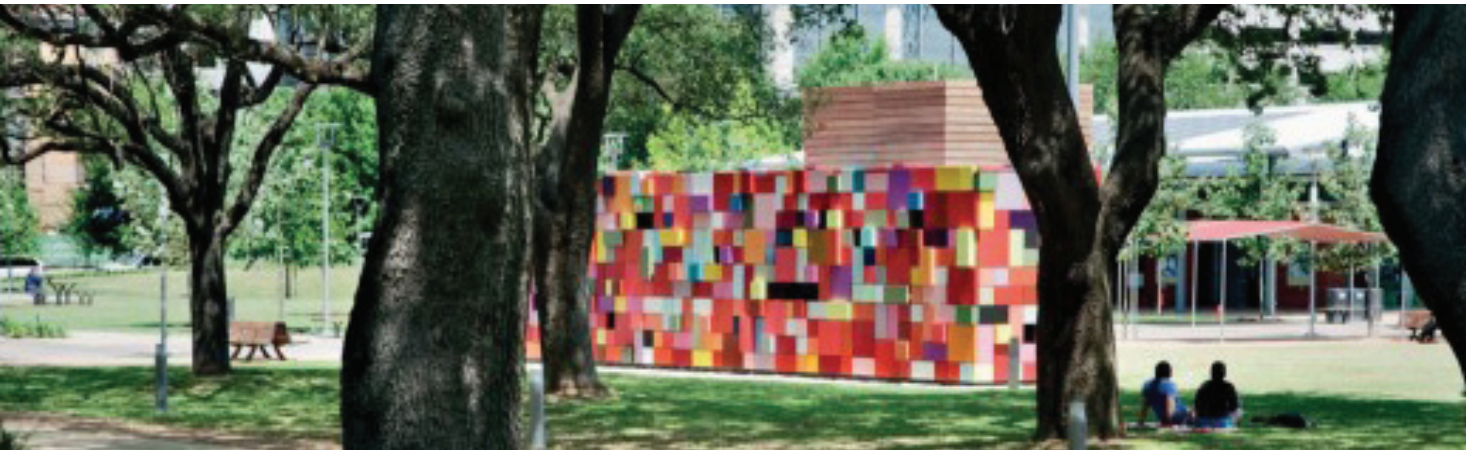
Both the built environment and the natural environment

Connect human culture to the environment



Community Participation

Another aspect of Discovery Green is opening interactive spaces for the community to participate. In the below image, a creative project challenged the community to design something for the park.



By involving the public, individuals can feel a sense of togetherness within the park. This opportunity gives people a chance to get involved and learn from their peers. In this type of society, everyone has something important to offer. We all benefit from each other

Explores creative spaces for the community

Layout Compared to City

The images below depict the layout of the park as compared to the surrounding city. It is easy to see how the park contrasts the city in a positive way.

This contrast enhances the city's layout and creates interesting viewing spaces of the surrounding buildings. Simultaneously, the high rises surrounding the park gain many views of the park. This type of design is mutually beneficial and creates a public space accessible to many city dwellers.

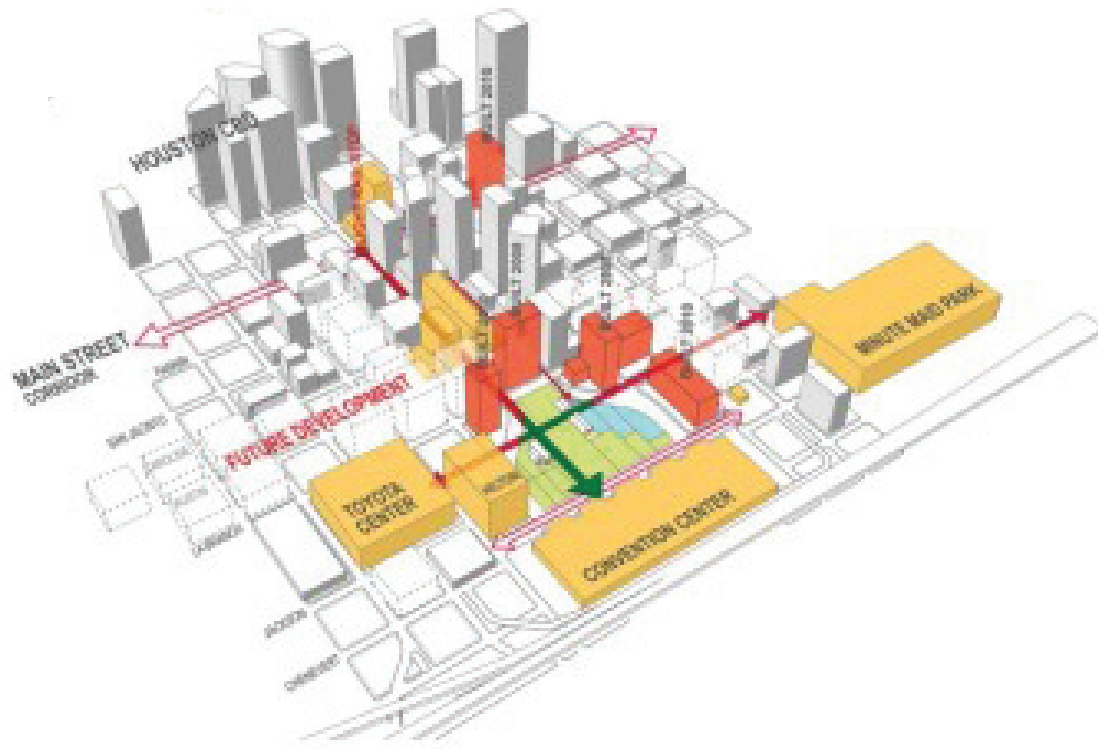


Plan of park looking Northwest



Aerial view of the site layout with the city

Entry Sequence and Circulation



Main Flow

The axonometric to the left is a good representation of how one would move through the park. It also displays the various entry spaces as well as the main axes through Discovery Green.

One of the most beneficial pieces of information represented here are the views. Here you can see both the vision site of people in the park and also business people within the surrounding buildings.

Development Stages vs. Built Project



Sequence of Spaces

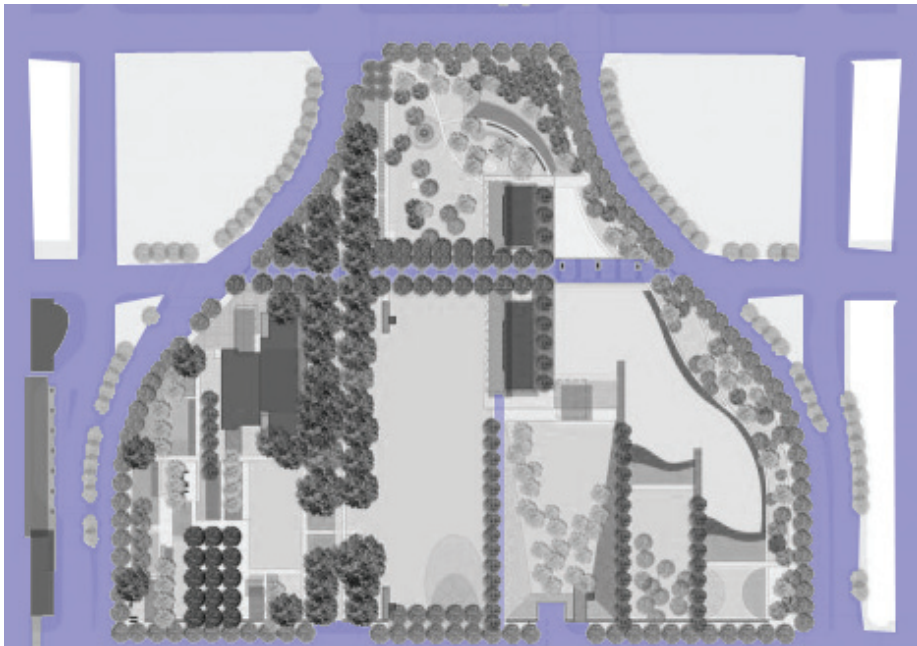
Organization of Park

The above images outline the proposed site design and the built site layout of the park. Many of the main ideas from the preliminary designs were implemented into the actual design. While the final product appears more beneficial, without the development stages, the organization of the park would not be laid out with this sequence of spaces.



Built Environment

Similar to other case studies, Discovery Green Provides both natural and built structures. Following many other parks, the built spaces become more private than the outdoor areas. This is because the outdoor areas are accessible at all times of the day where as the indoor spaces become only accessible during specific hours.

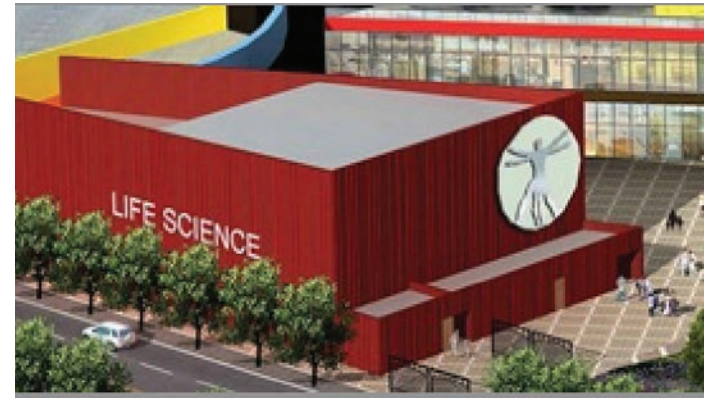


Unlike the Educational Jubilee Gardens, this design does not directly lead people to one specific place. Instead, these built pathways evoke movement throughout the entire park. While most of the trails run along the outer edge of the parkway, it seems that the shape of the built path is almost funneling people through the center. Based on the shape of the design, one wants to travel through the center, as if to eventually reach some sort of end point.

The vast open land is designed for many outdoor activities

DISCOVERY SCIENCE CENTER

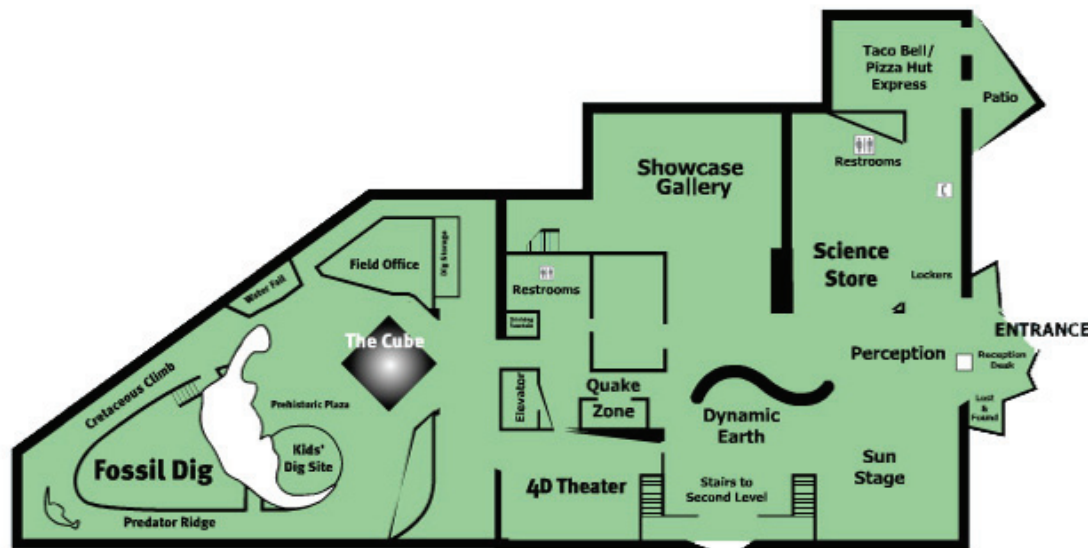
Santa Ana, California



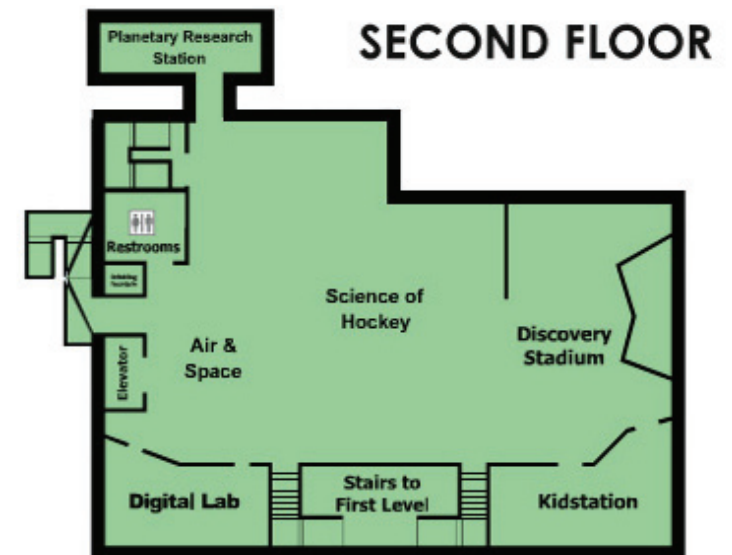
Floor Plans

Designing the Exterior Structure

These floor plans begin to depict how the structure of the space is shaped by the sequence of spaces that reside within the interior spaces. It also becomes evident that the open floor plan allows viewers to roam as they please, leaving no extra rooms to become too crowded or alternatively no space to be abandoned.



FIRST FLOOR



SECOND FLOOR

Interactive Exhibits

Over 100 interactive exhibits throughout the structure



The interactive exhibits depicted here are just four of the hundreds of interactive exhibits that the discovery center has to offer. From measuring your terms to experiencing an earthquake or hurricane, the science discovery center truly involves the client within the design process.



These interactive exhibits excite customers to engage in activities and learn about new ideas. Through this engagement visitors of all ages are encouraged to come back again to continue their science education.

Interactive exhibits build the mood at the discovery center

Entry Sequence

The images here depict the approach of the discovery center from the exterior.

What is most fascinating about the whole structure is that each individual exhibit plays a role in the exterior design. For example, the designers could have located a dinosaur discovery center on the interior but instead this outdoor activity displays a dinosaur room on the exterior of the building.

Similarly differing exhibits project over one another, giving the whole structure a truly unique design. The structure seems completely different at night, as lighting fixtures highlight specific aspects of the design.



The above images describe the first sights while approaching