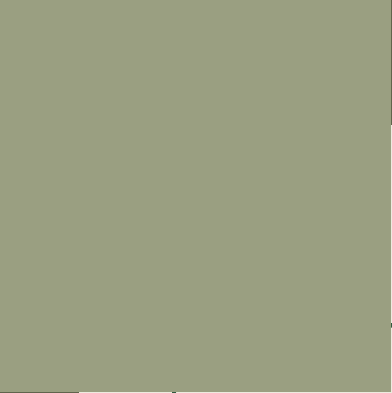




Project Title: TRISOMÍA TREASURES

Submission Code: DE052025

Category: Interior Architecture – Above 30





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Site & Context

- **Project type:** Down Syndrome center

Location: New Cairo, Egypt

CLIENT: المؤسسة المصرية لمتلازمة داون للرعاية والتنمية E.D.S.A

Total land area: 4500 m²

Concept statement

- This project creates a nurturing and inclusive interior environment for children with **Down syndrome**, inspired by the timeless, human-centered principles of Hassan Fathy. The design blends natural materials, curvilinear forms, and abundant daylight to foster calmness, sensory engagement, and meaningful social interaction. We designed an interior space for children with Down syndrome where color psychology plays a central role in shaping the experience of the space. Neutral, earthy tones and warm wood textures provide stability and comfort, creating a sense of safety and belonging. Carefully balanced accent colors soft blues and greens are used to encourage focus, curiosity, and creativity without overstimulation. In sensory rooms, combined with tactile surfaces and dynamic yet hidden lighting effects support relaxation, concentration, and emotional regulation, helping children feel both secure and inspired.

Sustainability is embedded at the core of the project. Eco-friendly construction methods and the use of local, natural resources reduce environmental impact while enhancing human health and comfort. The design nurtures its users while respecting and preserving the natural environment, setting a resilient and responsible model for future learning spaces. Beyond functionality, this project redefines inclusivity in architecture. It is not simply a building, but a community hub where children can learn, play, and connect with one another, with nature, and with society.

The architectural form draws deeply from Hassan Fathy's philosophy embracing vernacular elements such as domes, natural materials, and human-scale proportions to create a thermally comfortable, contextually rooted, and emotionally nurturing environment that celebrates tradition while serving contemporary needs.

Moodboards

SENSORY
ROOM

ACADEMIC
ROOM

PHYSIOTHERAPY ROOM

MUSIC
ROOM

PLAYGROUND

Moodboards

SENSORY ROOM

A sensory room for children with Down syndrome typically includes a variety of elements designed to stimulate the senses and create a calming environment.



Moodboards

ACADEMIC ROOM

An academic classroom designed for children with Down syndrome should incorporate various elements to support their learning and educational development.



Moodboards

PHYSIOTHERAPY ROOM

A room designed for children with Down syndrome should include various elements to support their physical development & therapeutic needs.



Moodboards

MUSIC ROOM



PLAYGROUND



Material Board

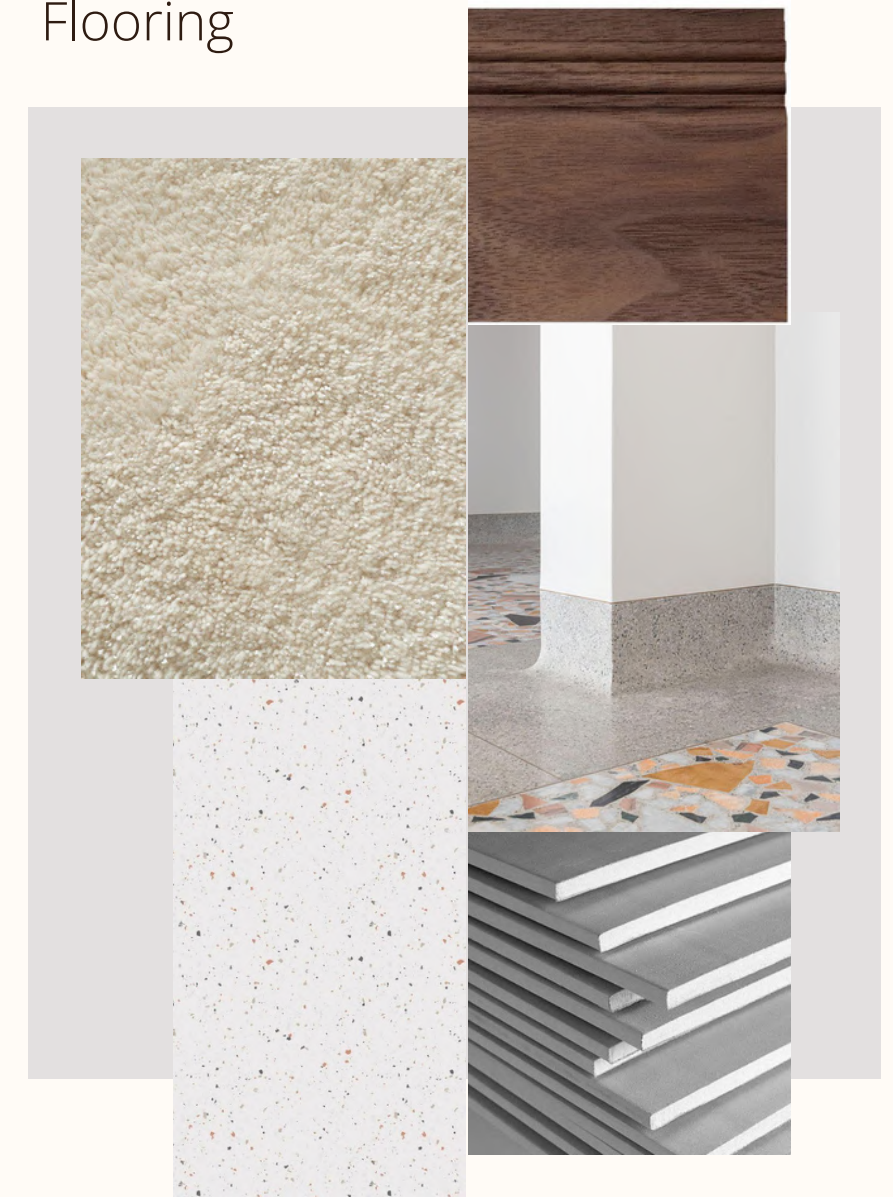
Exterior



Interior



Flooring



Plan layout



Exterior renders



Exterior renders



Interior renders



Interior renders



Interior renders





Conclusion

The interior spaces are thoughtfully designed to make children with Down syndrome feel calm, confident, and emotionally connected to their surroundings. Every element from soft natural lighting and earthy materials to gentle colors and curved forms is crafted to create a sense of safety and warmth. The design encourages exploration without overstimulation, offering spaces that support both focus and relaxation. Through sensory balance, visual harmony, and human centered details, the interiors promote well being, belonging, and joy allowing every child to feel truly at home within the space.

Thank You

