Designing Better Schools: The Four Dimensions of Human Ability
DIMENSIONS OF HUMAN ABILITY
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Physical
Social
Cognitive
Sensory
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Physical
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Sensory
The five senses you know:
  • Sight, touch, taste, hearing, and smell

The two you may not know:
  • Vestibular: ability to maintain balance and body posture.
  • Proprioceptive: sense of movement and body position

All seven **continually** send information to the brain.
WHAT IS ATTENTION?

Focus on SIGNAL in the presence of NOISE
WHAT IS SIGNAL?

object, lesson, matter, substance, material, phenomenon, spectacle, information

These things reinforce learning.
WHAT IS NOISE?

interference, obstruction, distraction, intrusion, glare, distortion

These things interrupt learning.
BIOPHILIC DESIGN
WHAT IS BIOPHILIC?

Connecting building occupants (i.e. children, caregivers, etc.) to NATURE to help foster a more PRODUCTIVE and HEALTHY environment.
NATURE’S PALETTE

Stone

Wood

Plants

Fire

Water
COLOR PSYCHOLOGY

Red
Celebrate, Love, Warmth, Glamour, Restful, Caution, Increases appetite

Orange
Rich, Exotic, Appetizing

Yellow
Cheer, Hope, Caution

Green
Calming, Nurture, Fertility, Reinforces attention and reading comprehension

Blue
Tranquil, Mystery, Refreshing, Promotes wakefulness

Purple
Unique, Regal, Bravery
CASE STUDY:
MARYLAND SCHOOL FOR THE DEAF
CASE STUDY:
DELAWARE SCHOOL FOR THE DEAF
CASE STUDY:
CENTENE CHILDCARE CENTER
CASE STUDY:
MAGNOLIA SPEECH SCHOOL
YOUR TURN ...
CASE STUDY:
BROWN SCHOOL OF SOCIAL WORK
Master Planning for Brown School of Social Work
Primary Vehicular & Pedestrian Circulation Patterns
Garden Level