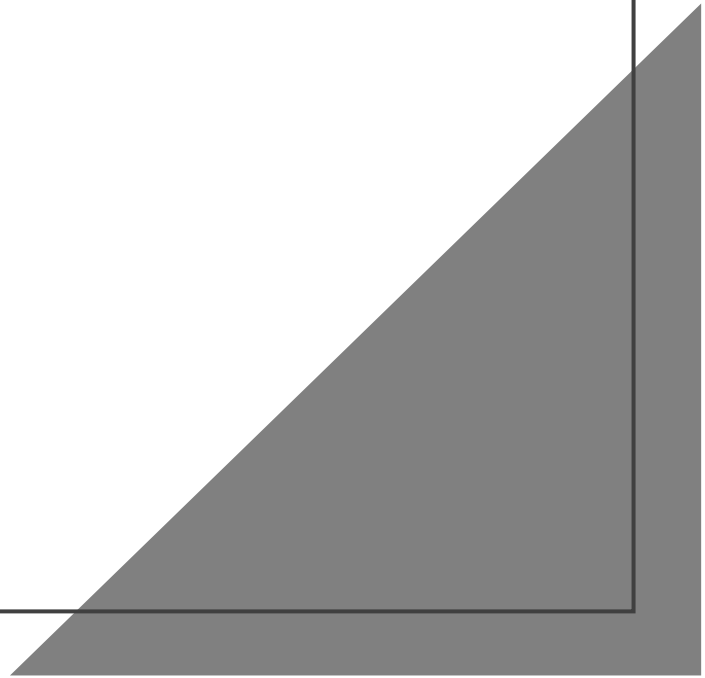
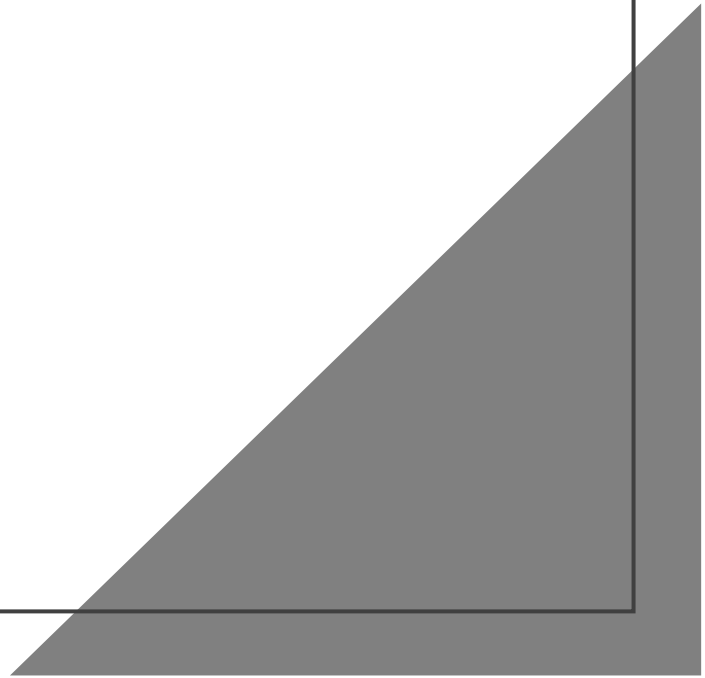


**HUMAN – ENVIRONMENT
RELATIONS (HER)
PROCESSES**



1. HOME

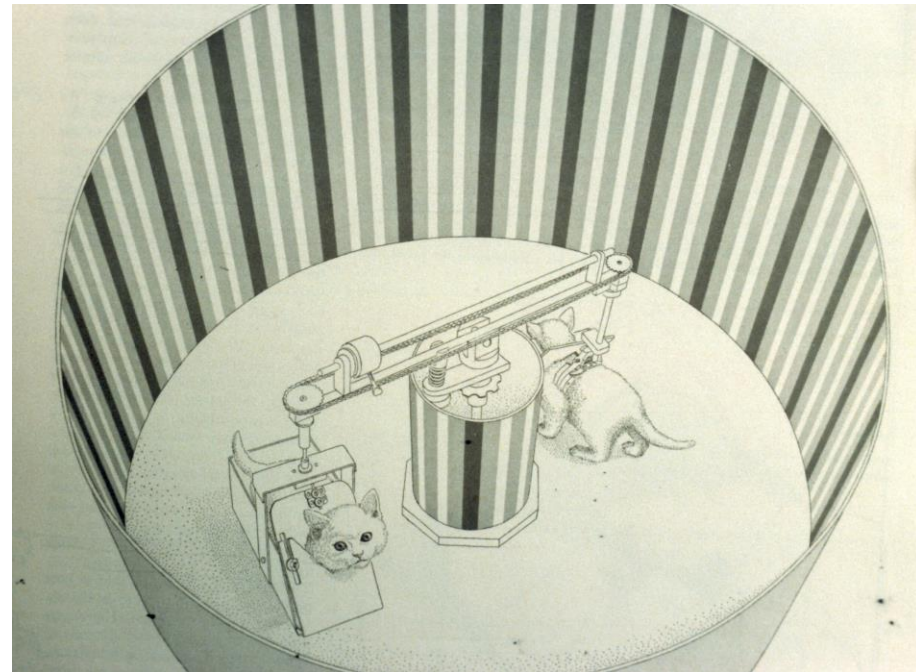


HOME: Environmental Stimulation

Definition

Quantity and quality of stimulation can influence physical development and behavior.

Example

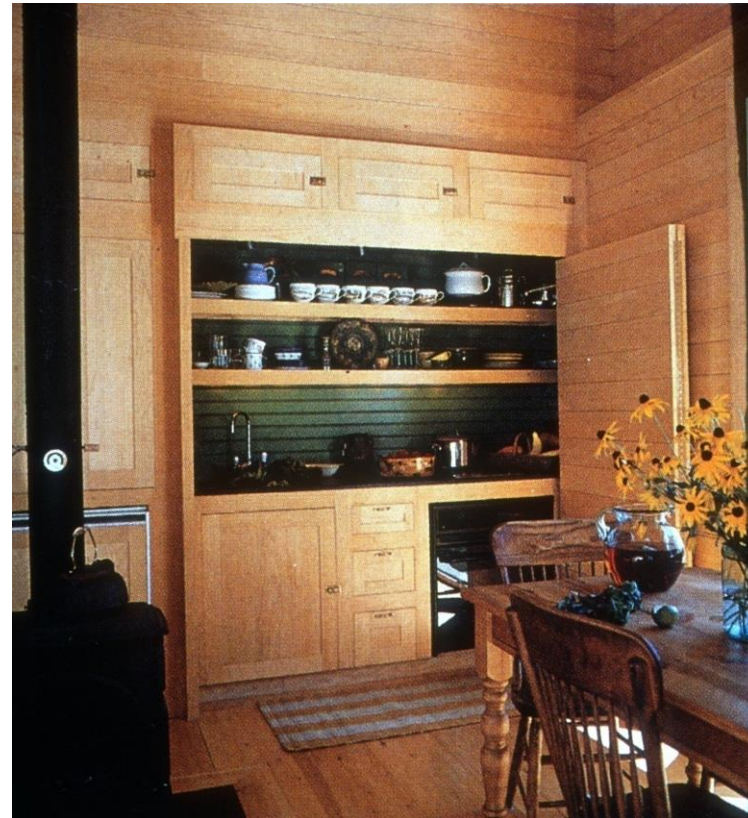


HOME: Homeyness

Definition

A latent function of a residence or other space that leads to feelings of comfort, connection, personal as opposed to institutional identity or ambiance.

Example

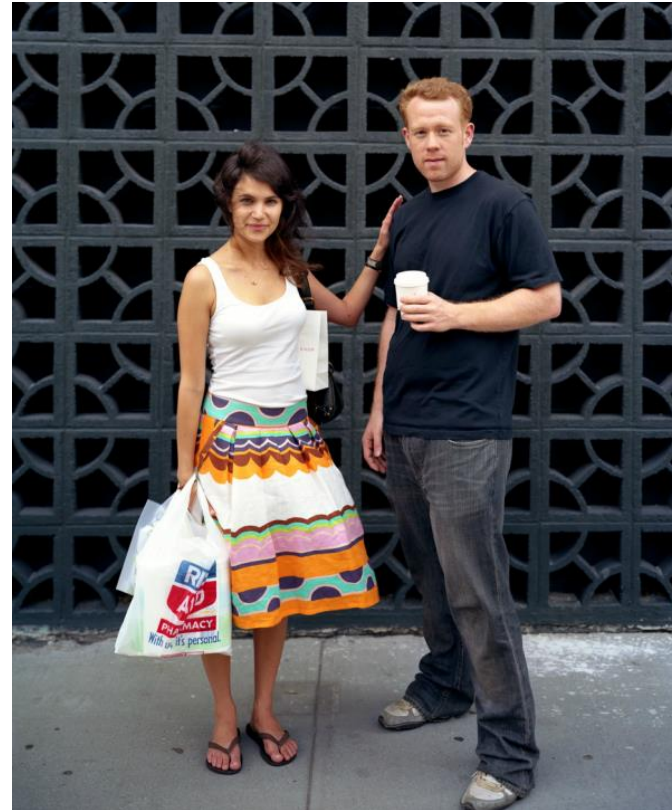


HOME: Personal Space

Definition

Interpersonal distance or the zone (bubble) around of bodies that we maintain when interacting with another person.

Example



HOME: Territoriality

Definition

Spaces that we control or regulate use by others. Personal, group, and public territories operate for human beings. Place attachment and identification are additional aspects of human territoriality.

Example

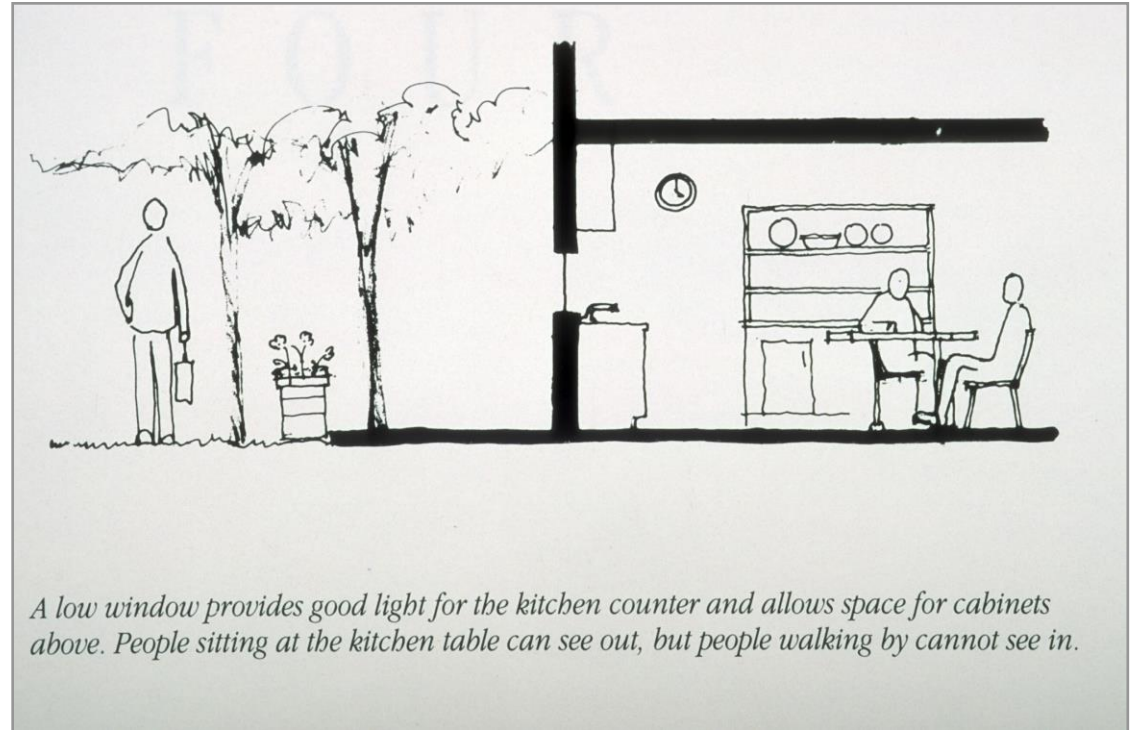


HOME: Privacy

Definition

A dynamic, optimization process regulating the balance between achieved and desired interpersonal interaction.

Example



HOME: Housing quality

Definition

Structural soundness, hazards, clutter, height and scale plus other physical amenities of residential spaces.

Example

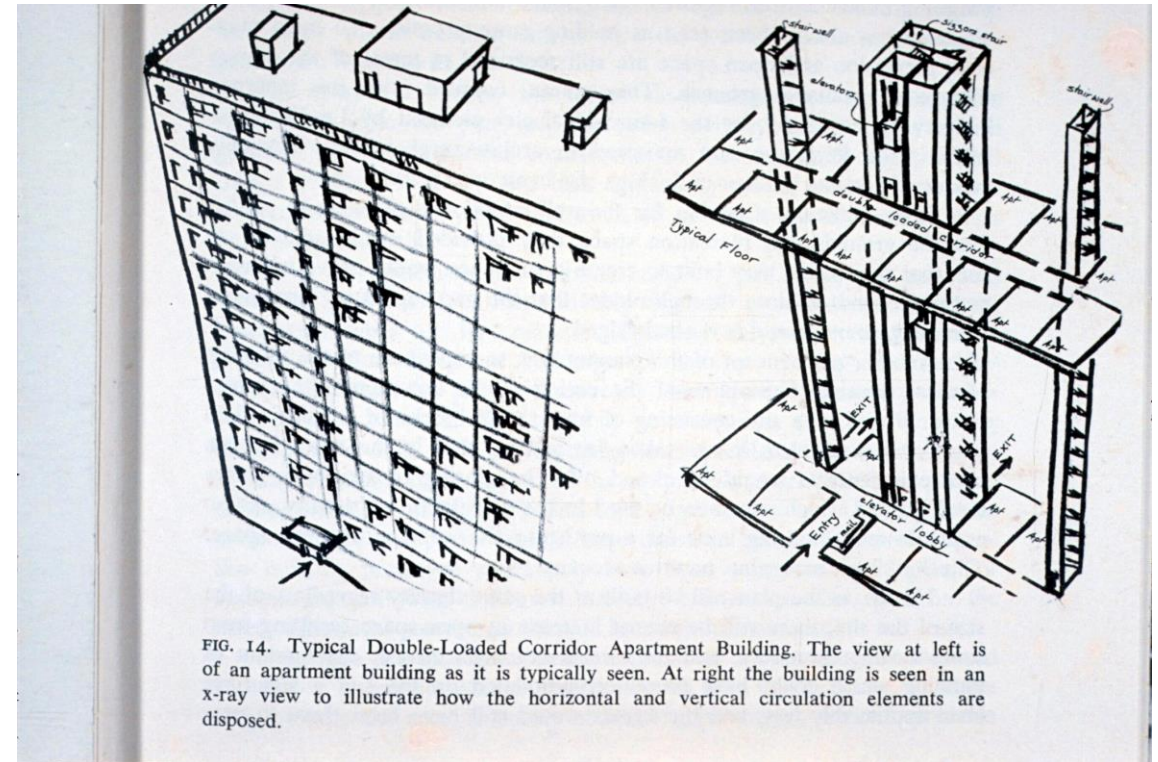


HOME: Defensible space

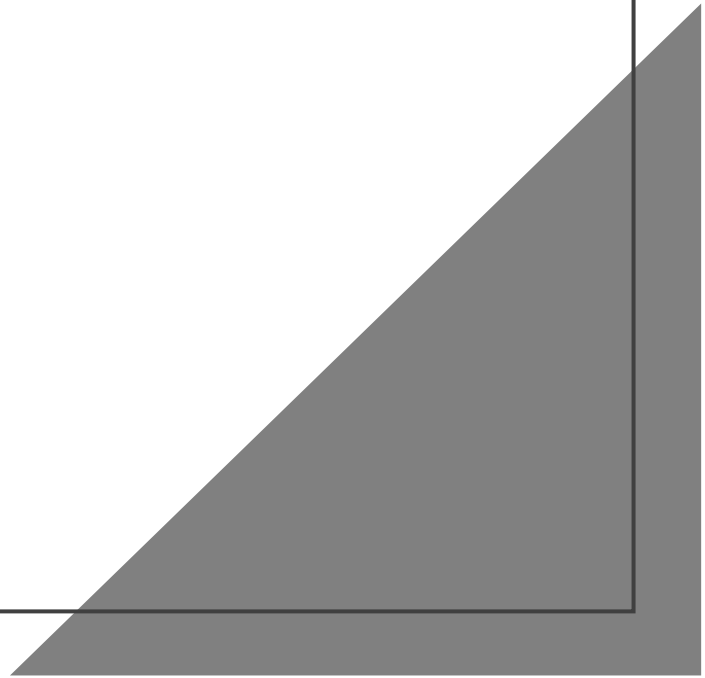
Definition

Design of settings in relation to crime. Crime does not happen randomly in space.

Example



2. CITY



CITY: Behavioral toxicology

Definition

Interdisciplinary field on borders of medicine, environmental science, public health, and psychology. Study of effects of toxic substances on behavior.

Example



CITY: Crowding

Definition

Too much, unwanted social interaction. Linked to high density, particularly people/room.

Example



CITY: Noise

Definition

Unwanted sound related to noise intensity (decibels)

Example

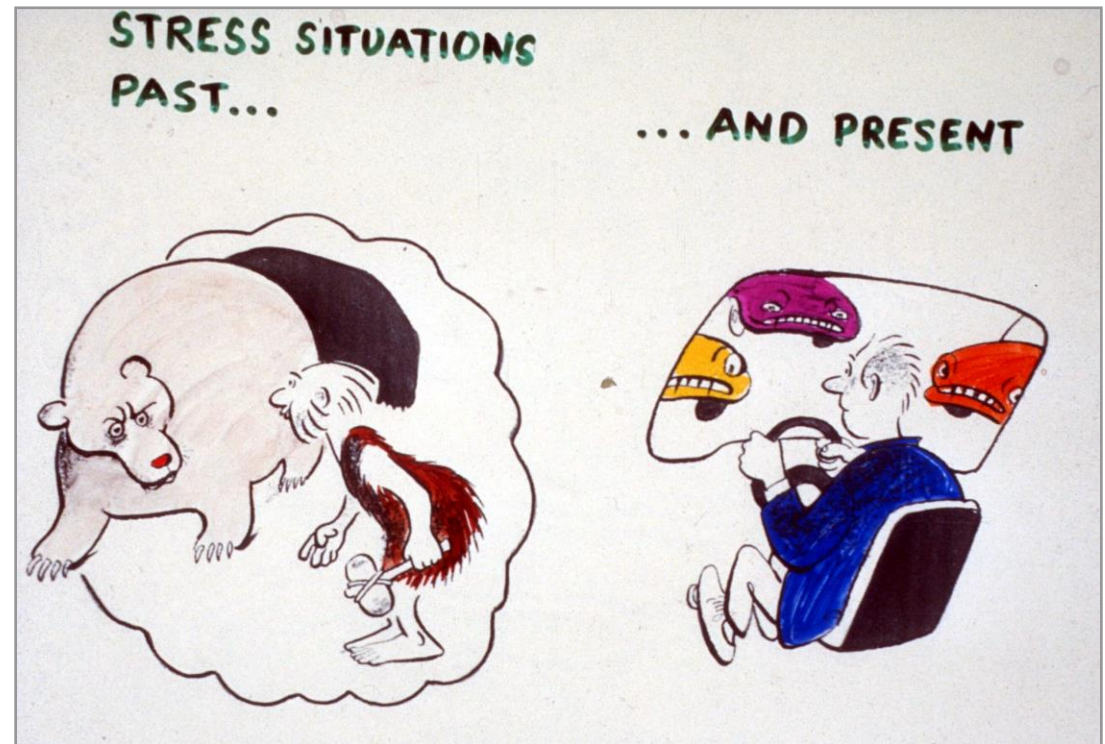


CITY: Environmental stress

Definition

Produced by environmental demands that exceed or tax personal coping resources. Linked to mastery/control [learned helplessness], costs and paradox of human adaptability.

Example

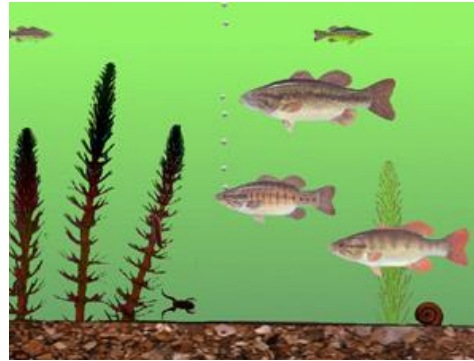


CITY: Environmental perception

Definition

Active, constructive process of acquiring sensory information from the world around us.

Example



- Americans and Japanese shown 20 second videos of “underwater scenes”, and asked to describe what they saw
- American and Japanese made equal number of references to the largest “focal fish”
- Japanese make significantly more references to background materials such as the frog, snail, plants, etc.

CITY: Environmental cognition

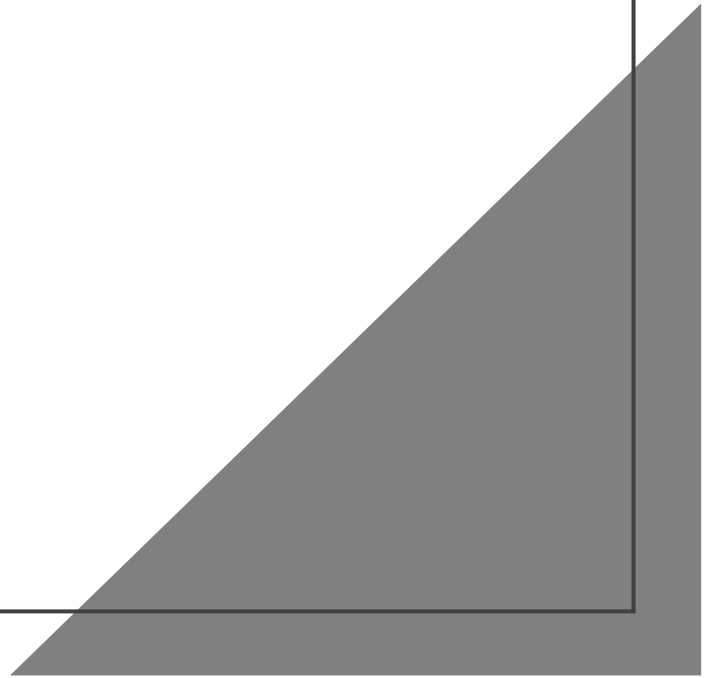
Definition

Processes involved in the representation of information about geographic information in the brain.

Example

**Which is farther West -
San Diego, California
or
Reno, Nevada**

3. WORK

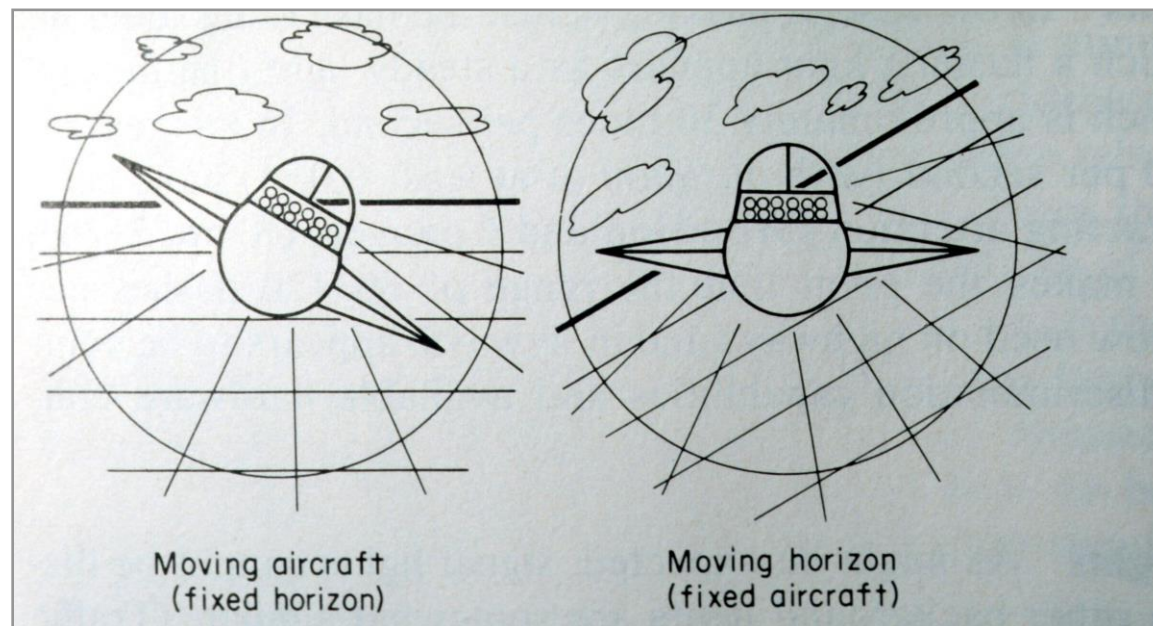


WORK: Cognitive ergonomics

Definition

Processes used to understand how things work. Evaluation of the fit between cognitive capacity and skills and utilization of the physical environment including technology.

Example



WORK: Anthropometrics/Biomechanics

Definition

Two HER processes combined for purposes of this introductory course. Anthropometrics refers to the measure/capacity of the human body. Biomechanics is how the body functions when interacting with the physical environment with a particular interest in strain or injury when the body-environment interface is at the limits or beyond physical capabilities (e.g. repetitive strain).

Example

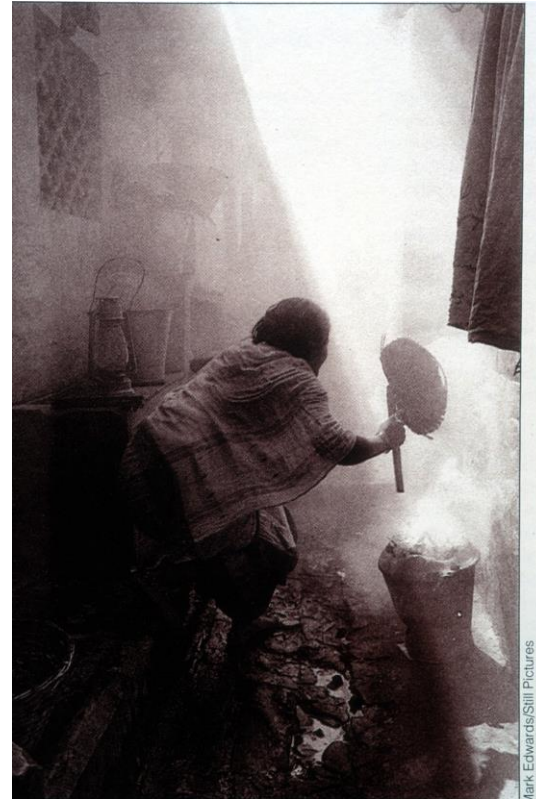


WORK: Indoor air quality

Definition

Exposures to toxins including pollutants and allergens generated inside of buildings.

Example

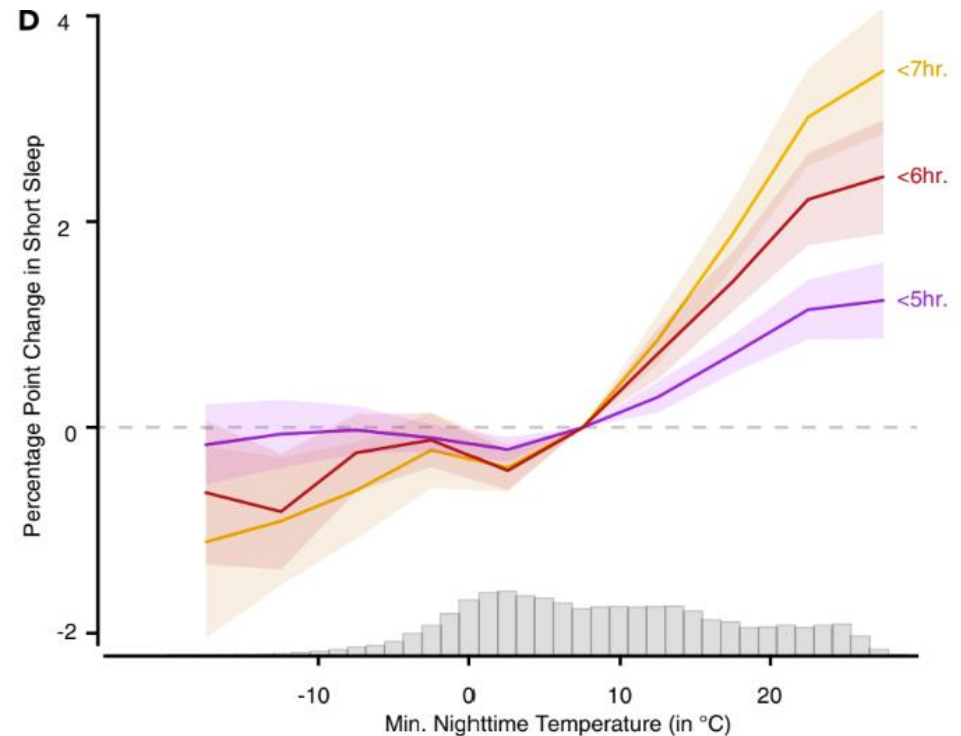


WORK: Thermal

Definition

Temperature and humidity
(primary focus in this class is
on high temperatures.)

Example



WORK: Light

Definition

Visual effects of illumination, principally brightness. Nonvisual impacts of illumination via the retinohypothalamic tract (e.g. Circadian rhythm).

Example



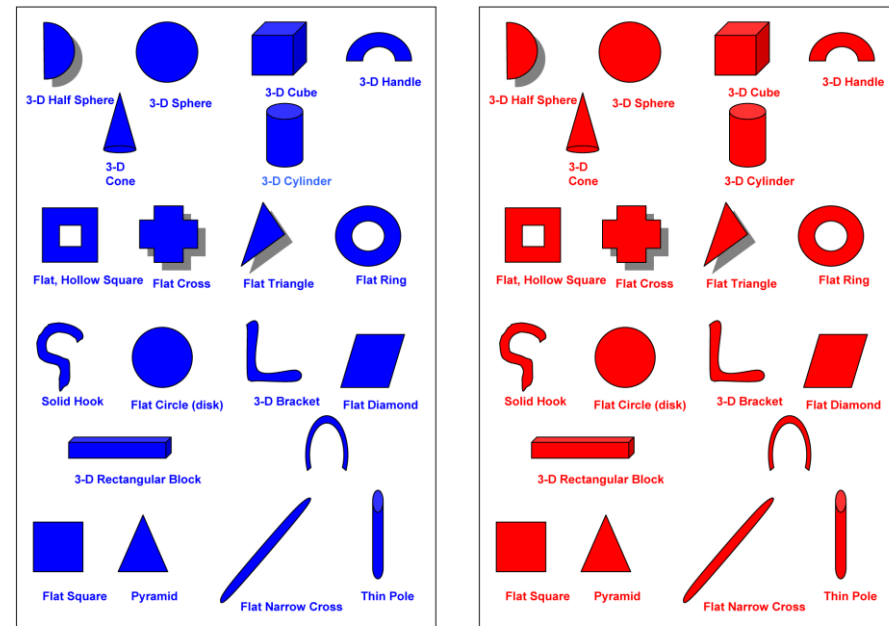
WORK: Color

Definition

Influence of wave length of light (hue) on preference and performance.

Example

Fig. S1: Blue vs. red parts sheets presented to participants (Study 4)



WORK: Small group ecology

Definition

Semi-fixed feature space (e.g. furniture) and human interaction.

Example



WORK: Enclosure

Definition

The degree of permeability, openness of spaces. Extent of floor to ceiling barriers.

Example



WORK: Layout

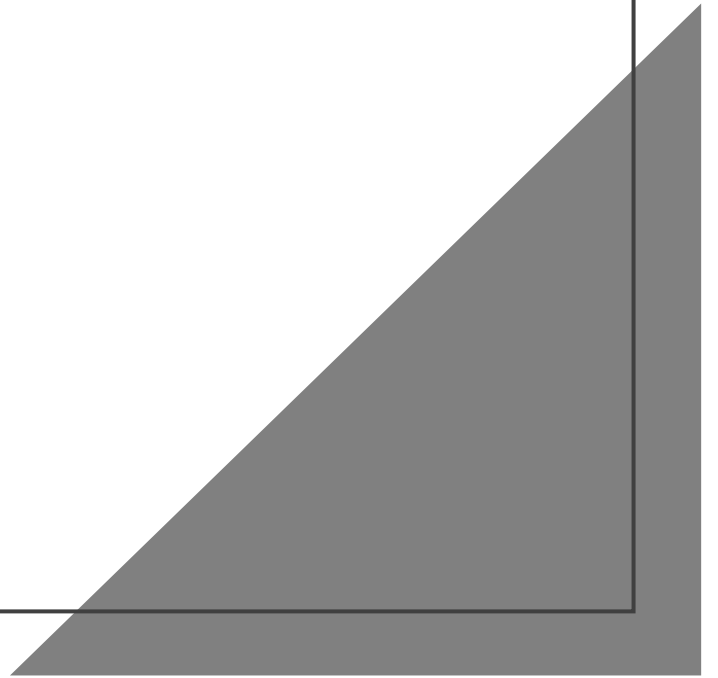
Definition

The arrangement of spatial interiors such as proximity, corridors, functional distance.

Example



4. EARTH



EARTH: Restoration

Definition

Recovery from cognitive fatigue and stress reduction. The concept of Biophilia is linked to restoration as well-human affinity for natural elements because of evolutionary history.

Example

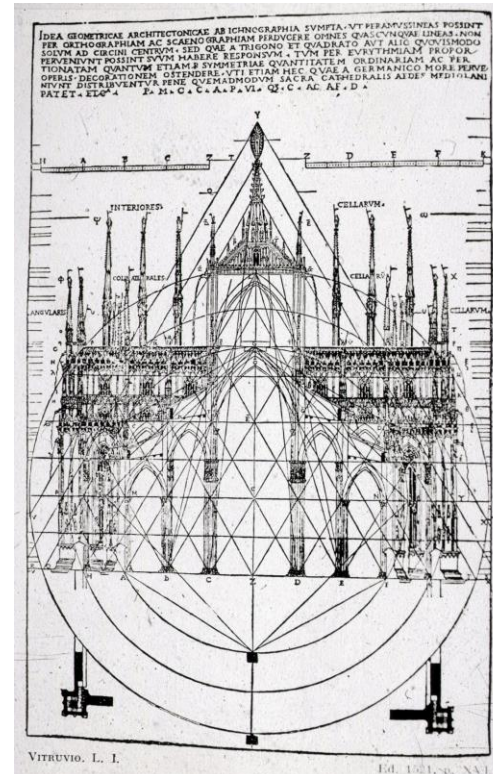


EARTH: Aesthetics

Definition

Constructs and theories to explain human preferences for beauty.

Example

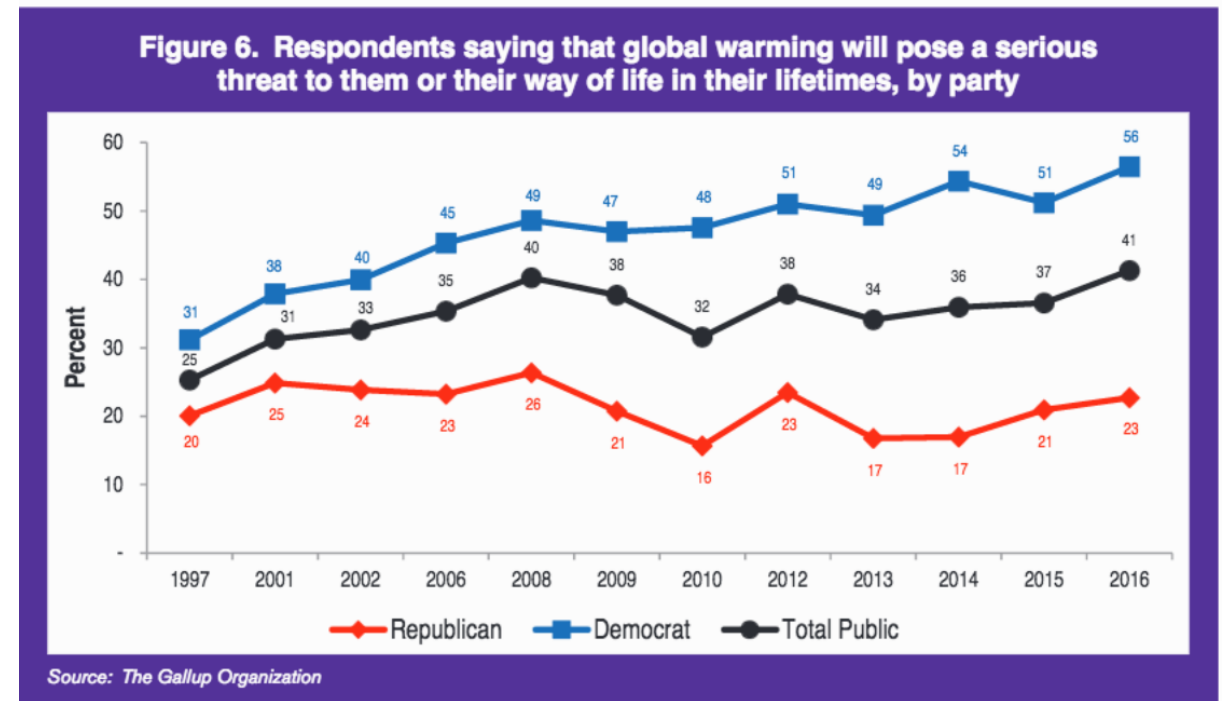


EARTH: Environmental attitudes

Definition

Feelings and beliefs about environmental issues (how green). Two fundamental core attitudes are Dominant Social Paradigm and the New Ecological Paradigm.

Example



EARTH: Ecological behavior

Definition

Decisions and actions that affect environmental quality.

Example

