ELEMENTS AND PRINCIPLES OF DESIGN CLAY MODELS PROJECT DESCRIPTION

ELEMENTS OF DESIGN

Line

Shape

Form

Color

Value

Texture

Hierarchy

Space

Lines, Shapes, Forms

Paul Klee



An active line on a walk, moving freely, without goal. A walk for a walk's sake. The mobility agent, is a point, shifting its position forward (Fig. 1):



FIG. 1

The same line, accompanied by complementary forms (Figs. 2 and 3):



Fig. 2



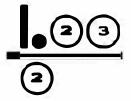


The same line, circumscribing itself (Fig. 4):

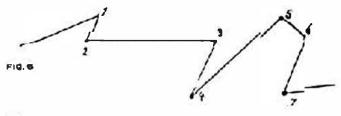
Two secondary lines, moving around an imaginary main line (Fig. 5):

Lines, Shapes, Forms

Paul Klee

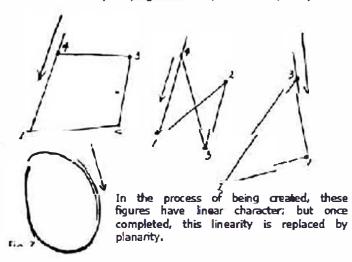


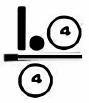
An active line, limited in its movement by fixed points (Fig. 6):



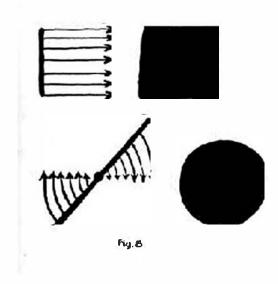
3

A medial line which is both: point progression and planar effect (Fib. 7):



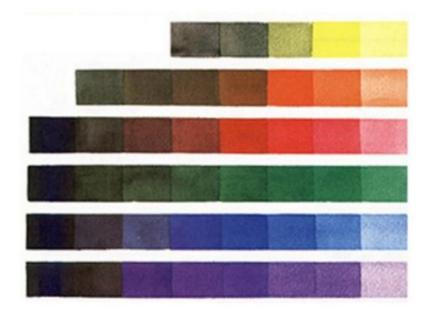


Passive lines which are the result of an activation of planes (line progression) (Fig. 8):



Passive angular lines and passive circular lines become active as planar constituents.

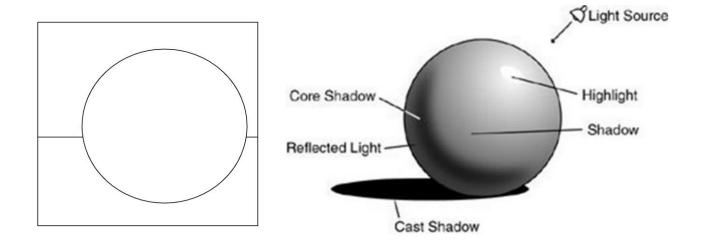
Value



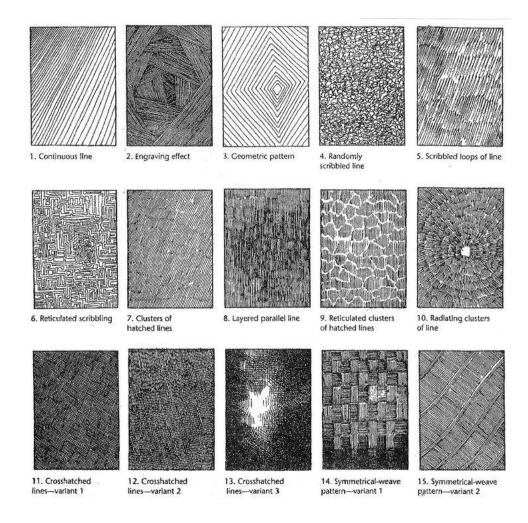


Values is also sometimes referred to as tone, is the relative lightness and darkness of an object. (It has nothing to do with the price of the design!)

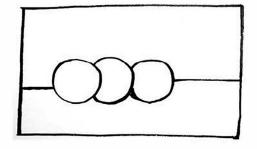
Value Shadow, highlights, midtones



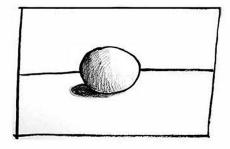
Texture



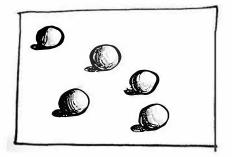
1 OVERLAP



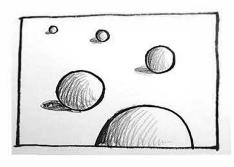




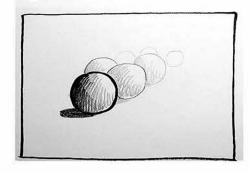
3 PLACEMENT



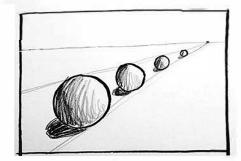
4 SIZE



5 VALUE and FOCUS



6 LINEAR PERSPECTIVE



PRINCIPLES OF DESIGN

Balance

Contrast

Movement

Rhythm

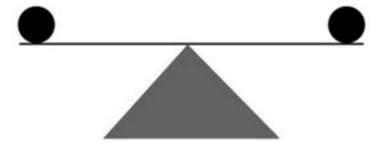
Repetition

Unity

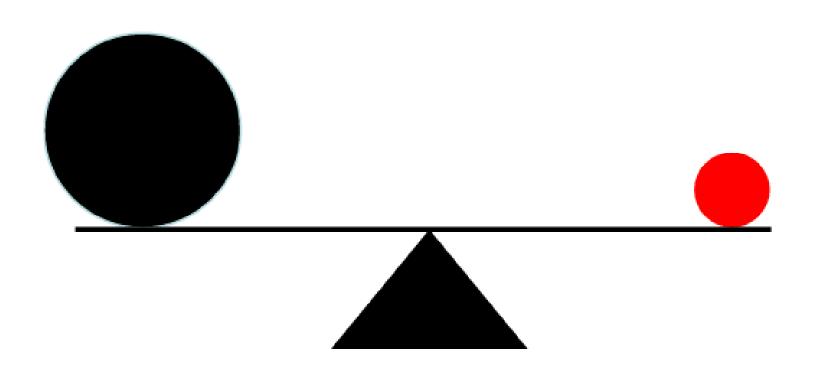
Emphasis

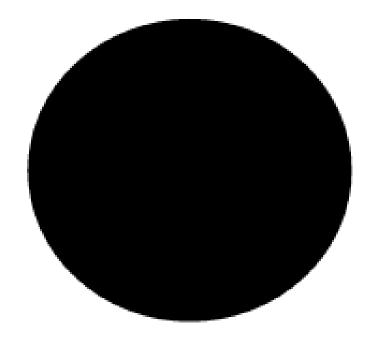
Proportion / Scale

Visual Weight and Balance



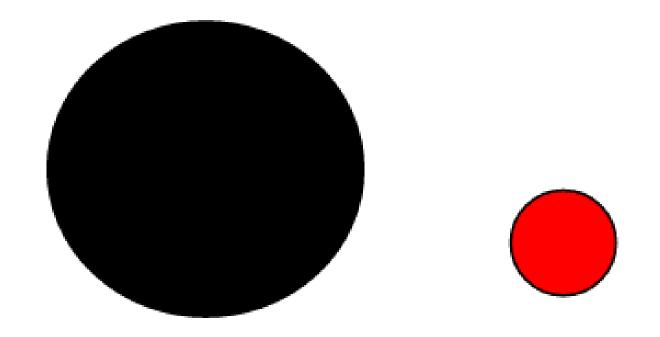




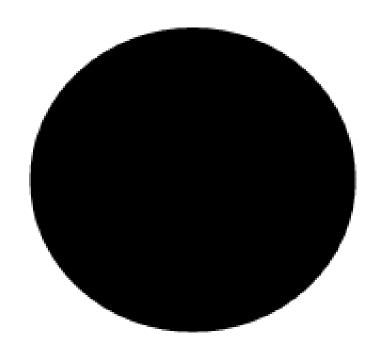


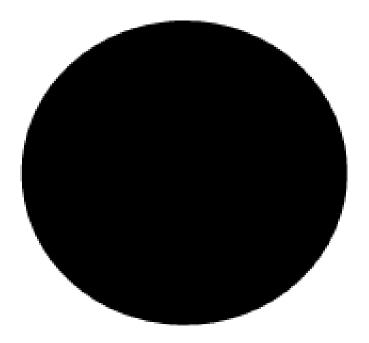


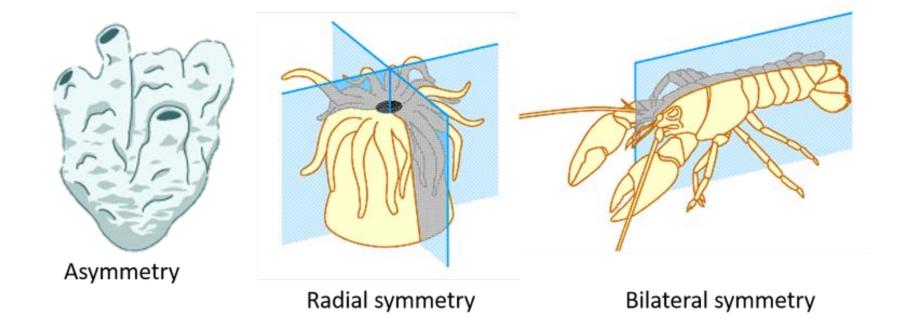
Asymmetrical Balance

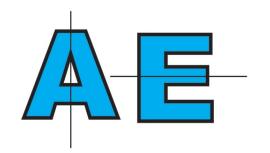


Symmetrical Balance

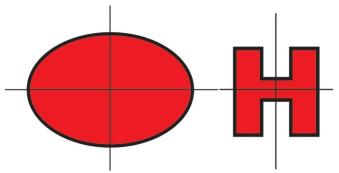




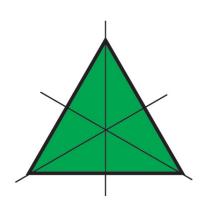




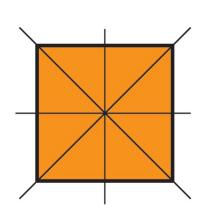
D1 - Symmetry about one axis



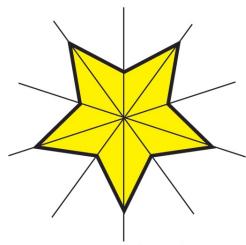
D2 - Symmetry about two axis



D3 - Symmetry about three axis



D4 - Symmetry about four axis



D5 - Symmetry about five axis

Contrast is the difference between two values

An example of low contrast

An example of high contrast

An example of low contrast between two colors

An example of high contrast between two colors

Movement

The Starry Night, Vincent van Gogh, 1889



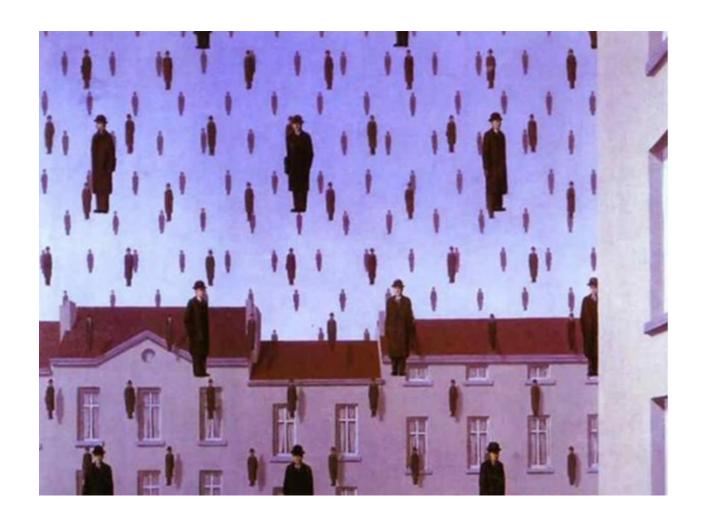
Rythm

Anni Albers, With Vericals, 1945-1983



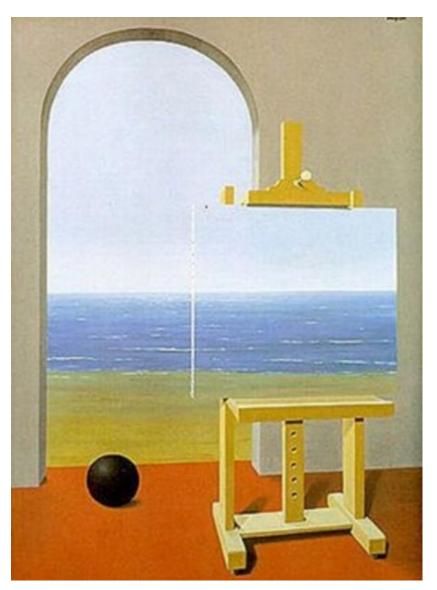
Unity by Repetition

Golconde, Rene Magritte



Emphasis

The Human Condition, Rene Magritte

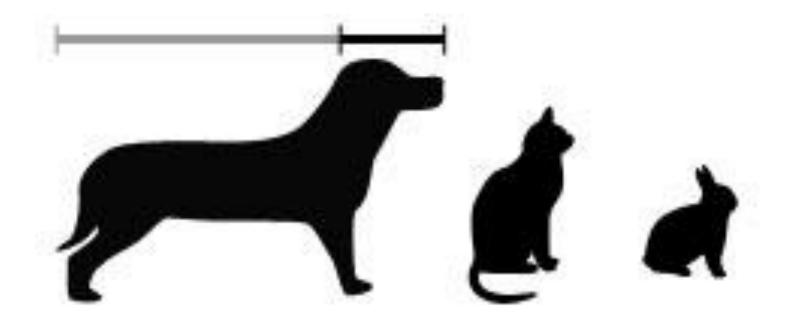


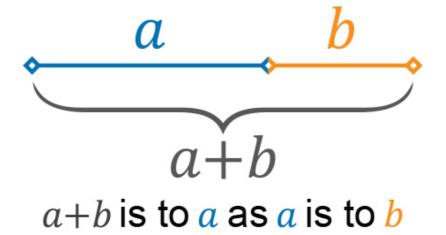
Emphasis is defined as an area or object within the artwork that draws attention and becomes a focal point. Subordination is defined as minimizing or toning down other compositional elements in order to bring attention to the focal point.

Proportion / Scale

The Listening Room, Rene Magritte, 1952

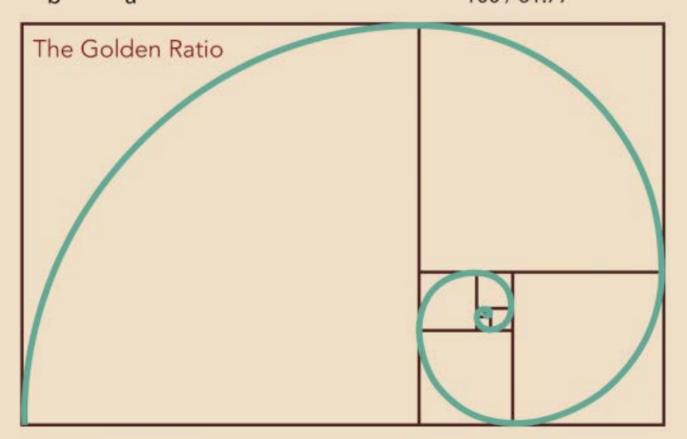


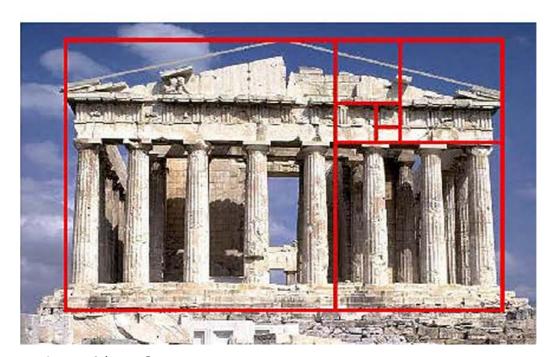




$$\frac{a+b}{a} = \frac{a}{b} = \Phi = 1.6180339887...$$

$$a = 61.77$$
 $b = 38.22$ $\frac{a}{b} = \frac{a+b}{a} = 1.618...$ $\frac{61.77/38.22}{100/61.77} = 1.618$





Parthenon, Athens, Greece



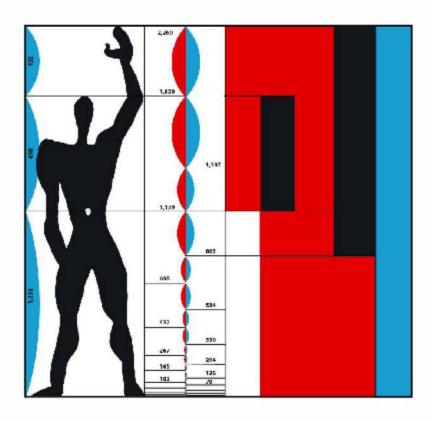
Top to bottom of lower case letters



Top to bottom of lower case g



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Project 01: Clay models

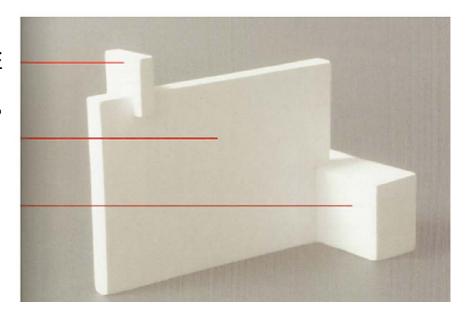
RULES / CONSTRAINTS

- * Make 3 grouping of 3 rectangular volumes
- * No volume should be longer than 4inches in any direction
- * Keep the axes of the volumes static (only perpendicular relationships)
- * No two volumes should have the same measurements
- * The subdominant volume should improve the character of the dominant
- * The subordinate should make the design more 3-dimensional
- * No view should be uninteresting in character
- * Consider the overall, the inherent and the comparative proportions
- * Never emphasize the cube as an overall proportion
- * Consider all three ways of joinery: piercing, wedging and cradling



SUBORDINATE

DOMINANT SUBDOMINANT



ATTACH
DETACH
PARALLEL
PERPENDICULAR
INTERSECT
ETC.



