A LOOK INTO THE LIFE OF THE SENSES: INTRODUCING EDUCATIONAL EMOTIONCY PYRAMID

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1. Philosophy
2. Sociology
3. Psychology
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PHILOSOPHY

Empiricist
(Aristotle, Locke)

Developmental integration view

Embodied cognition

Nativist
(Plato, Descartes)

Developmental differentiation view

Disembodied cognition
ARE THE SENSES EQUAL?

Socrates: Reason or Senses?
• Senses reveal things (appearance) but the mind reveals ideas (reality).

Plato: Reason over Senses
• Sense of sight is the foundation of philosophy, leading to God and Truth.
• Sense of sight is the noblest of the senses and the humanity’s greatest gift.

Goethe
• If the eye were not solar/How would we perceive light.
ARISTOTLE’S RANK ORDERING OF THE SENSES

Human
- Sight
- Hearing
- Smell

Animal
- Taste
- Touch
CHRISTIANITY’S AMBIVALENCE TOWARDS THE SENSES

Sensory gratification
Sensory abstinence
The feast-fast oscillation
Descartes  
**Cogito, ergo sum**
I know even bodies are not perceived by the senses... but by the intellect alone.

Feuerbach  
**Sentio, ergo sum**
I can eat without thinking but I can’t think without eating.
HEGEL’S HIERARCHY OF THE SENSES

Animal
- □ Mouth
- □ Nose
- □ Eyes
- □ (Ears)
- □ (Skin)

Humans
- □ Forehead
- □ Eyes
- □ Ears
- □ Mouth
- □ Nose
- □ Chin
- □ Hair
RACIAL HIERARCHY OF THE SENSES (OKEN)

European (Ocularcentrism)

Asian

Native American

Australian

African

Eye-man

Ear-man

Nose-man

Tongue-man

Skin-man
GENDER

Male
• Vision
• Hearing

Female
• Taste
• Smell
• Touch
Indian senses

Prana (nose, breath of life, yoga)

Speech organ

Tongue

Eye

Ear

Mana (mind)

Hand
NOETIC ECONOMY OF THE SENSES (ONG)

Pre-literate

Touch

Taste

Smell

Hearing

Sight

Literate
<table>
<thead>
<tr>
<th><strong>Premodernism</strong></th>
<th><strong>Modernism</strong></th>
<th><strong>Postmodernism</strong></th>
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<tr>
<td>The senses are viewed as a set.</td>
<td>Belief in Cartesian mind-body split</td>
<td>Belief in the elimination of mind-body split.</td>
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<td>Each sense was correlated to a different element: <strong>sight to fire and light</strong>, hearing to air, smell to vapor, taste to water, and touch to earth.</td>
<td>Giving rise to different types of dualism (mind/body, subject/object, male/female...) and privileging one over the other one</td>
<td><strong>Glorifying body</strong> and focusing on the politics of it</td>
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<td><strong>The eye is the window of the soul</strong></td>
<td><strong>Senses are deceptive and misleading</strong>, and only the sense of vision is given priority.</td>
<td><strong>All senses</strong> are appreciated and individuals are expected to be <strong>engaged</strong> in all.</td>
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SENSE-INFORMATION PROCESSING

- Sense of sight: 83%
- Sense of hearing: 11%
- Sense of smell: 3.5%
- Sense of touch: 1.5%
- Sense of taste: 1%

Pie chart showing the distribution of sense information processing: Sight 83%, Hearing 11%, Smell 3.5%, Taste 1%, Touch 1.5%.
Learning Pyramid

average student retention rates

10% Lecture
20% Reading
30% Audiovisual
50% Demonstration
75% Discussion
90% Practice doing Teach others

Source: National Training Laboratories, Bethel, Maine
Adult humans and many non-human species perform more efficiently and accurately on various attentional, discriminative, and learning tasks (Rowe, 1999).

Many non-human species rely on concurrent, multisensory cues in social communication (Partan & Marler, 1999).

Adult humans perceive speech considerably better when it is jointly specified by audible and visible attributes (Summerfield, 1979).

Cats exhibit more vigorous behavioral and neural responsiveness on a spatial localization task when location is signaled by auditory and visual cues (Stein & Meredith, 1993).
Educational Emotioncy Pyramid

- **Arch**
  - (inner + research + ...)

- **Inner**
  - (hearing + sight + touch + taste + smell + ...)

- **Kinesthetic**
  - (hearing + sight + touch/movement)

- **Visual**
  - (hearing + sight)

- **Auditory**
  - (hearing)

- **Null**
Emotioncy = s (f + e)
REFERENCES


