

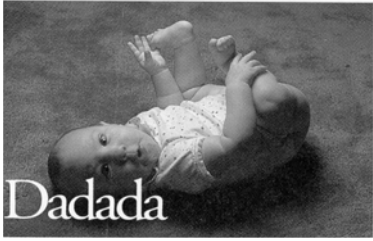
Thinking & Language

- ## I. Language
- Stages of language development
 - Theories of language acquisition
 - Critical period
 - Bilingualism
 - Language & culture
 - Sign language
 - Animals & language

- ## Language
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Stages of language development


3 m. - 1yr: babbling



Dadada

By 1yr.

- babble in their language
- words emerging



Eat. Go.

By age 2

- two-word combinations
- telegraphic phrases



Me play.

By age 4 - basic rules of grammar
 - error of overgeneralization



By age 5-6 - speech competence

Theories of language acquisition



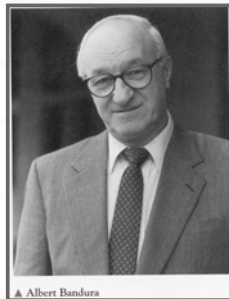
1. Behaviorists:

positive reinforcement

2. Social learning theorists:



observation
&
imitation

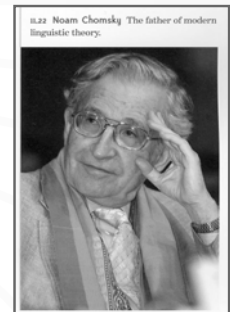


▲ Albert Bandura

3. Nativist (Chomsky)

language is inborn

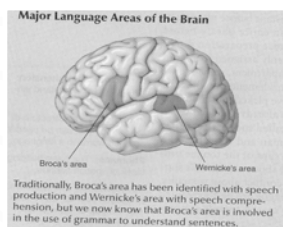
(“native”) ability



Chomsky

Language acquisition device

- physiological & neurological features in the brain
- vocal apparatus



Critical period

- a period of time optimal for language acquisition
- children raised in isolation
- Geine
- Brain damage



In this photo from the 1970 movie *L'Enfant Sauvage*, the Wild Boy of Aveyron is being trained to speak.

Bilingualism

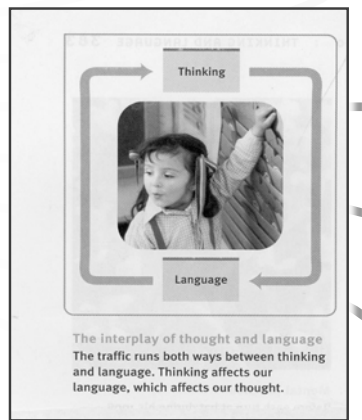
if fluent in 2 languages, have higher:

- cognitive flexibility
- analytical reasoning
- selective attention
- linguistic awareness

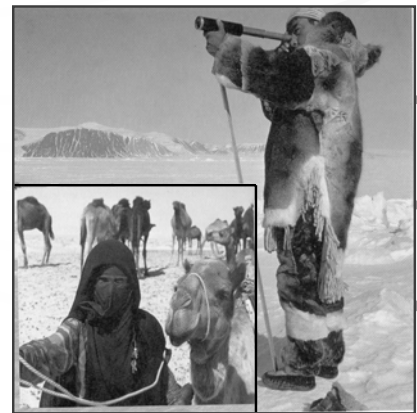
Sign language

- Autonomous language with its own grammar
- Processed in the Left hemisphere

Language & Culture



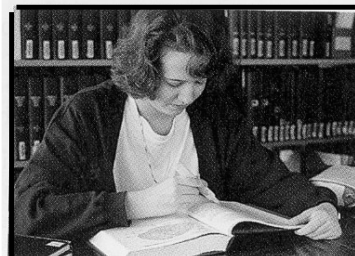
Language & Culture



What image comes to mind?

“When someone prepares for an exam, he must do some studying.”

Many students judge that the sentence “When someone prepares for an exam, he must do some studying” does not apply to this picture.



Language & sexism

Thinking:

mental manipulation of information that has been

- sensed
- perceived
- learned
- remembered

Schema:

a cognitive structure that represent one's general knowledge about a given concept or domain

Examples of Schema:

- Gender roles
- “Rich & beautiful”

Examples of Schema

- Depressive schema
- Positive illusions

- Attachment schemas

- secure
- dismissive
- preoccupied

Power of thinking

- Victor Frankl (existentialist)
- Self-fulfilling prophecies
- Rational-Emotive therapy
(Albert Ellis)

