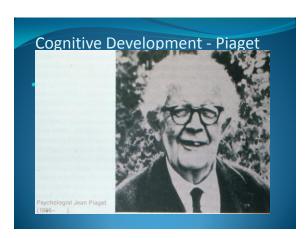
Cognitive Development in
Infants and Toddlers
PSY 356 Dr. Schuetze
Di, Schuctze

Topics

- Cognitive Development Piaget
- Language Development



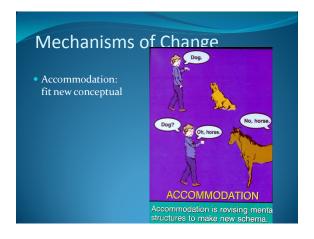
Constructivism

- The belief that children actively create knowledge rather than passively receiving it from the environment.
 - Knowledge is constructed from experience
 - Born with ability and desire to learn.
 - Must be active to learn.
 - Thinking/learning is internalization of physical knowledge.

Adaptation

- Fundamental process by which schemes are altered through experience.
- Comprised of two complementary processes.

Mechanisms of Change • Assimilation: fits into structure schemas Assimilation is placing new information in existing schema.

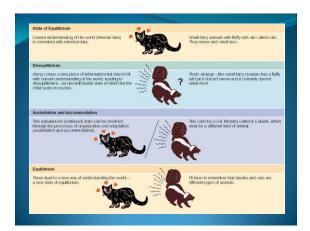


Equilibration

 Equilibration: regulatory process that maintains a functional balance between assimilation and accommodation

Process of Equilibration

- Children are satisfied with mode of thought (equilibrium)
- Become aware of shortcomings in existing knowledge (disequilibrium)
- Adopt a more sophisticated mode of thought (return to equilibrium)



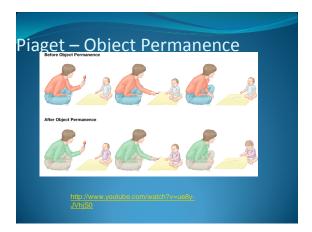
Characteristics of Stages of Cognitive Development

- Each stage represents a qualitative change in thinking
- Culturally Invariant
- Includes structures and abilities of previous stages

Stages of Cognitive Development

- Sensorimotor
- Preoperational
- Concrete Operational
- Formal Operational





Language Special form of communication in which we learn complex rules to manipulate symbols that can be used to generate an endless number of meaningful sentences. Communication Set of Symbols Complex Rules Endless Number of Meaningful Sentences

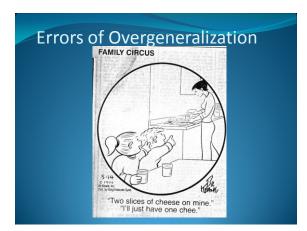
Prelinguistic Stage • Birth to 1 year • Crying • Cooing • Babbling • Language Comprehension • Ability to make discriminations not required by native language gradually lost: http://www.youtube.com/watch?v=WXWGnryj

Linguistic Stage 1 year and up Holophrases Infant-directed Speech Overextension Underextension



Linguistic Stage

- Two-word combinations
- Telegraphic Speech errors of overgeneralization



Language Development 6 Months • Vocalization with intonation • Responds to human voices without visual cues by turning his head and eyes 12 Months • Uses one or more words with meaning • Understands simple instructions 18 Months • Has vocabulary of approximately 5-20 words

Language Develo	ppment	 	
to I App off the month by Med Rigid Appoint Off The month by Med Rigid Appoint Off The month can be a seen a fine and a can Apply of The month can be a seen a fine and a can be a seen a se	n name a number of objects common his surroundings proximately 2/3 of what child says ould be intelligible cabulary of approximately 150-300 rds and mine are beginning to emerge		
abl Ha wo Ab	ows chief parts of body and should be e to indicate these if not name indles three word sentences easily sin the neighborhood of 900-1000 rds out 90% of what child says should be elligible		