



Jean Piaget

Cognitive Development



Stages of Development

0 1 2 3 4 5 6 7 8 9 10 11 12

Sensory-Motor



Pre-Operational



Concrete Operational

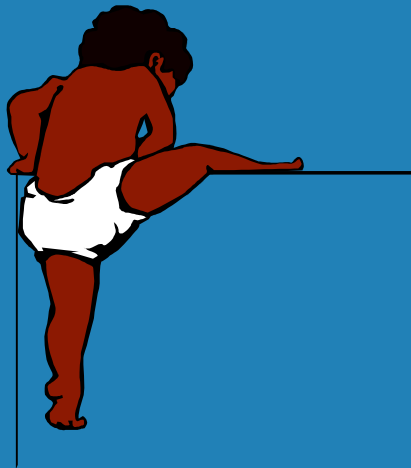
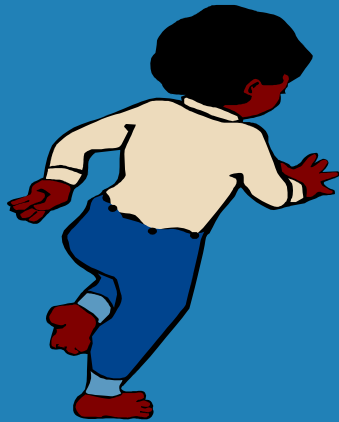


Formal Operational



Sensory Motor

- Ω Period from birth to age 2
- Ω Learn through senses
- Ω Repetitions with variations



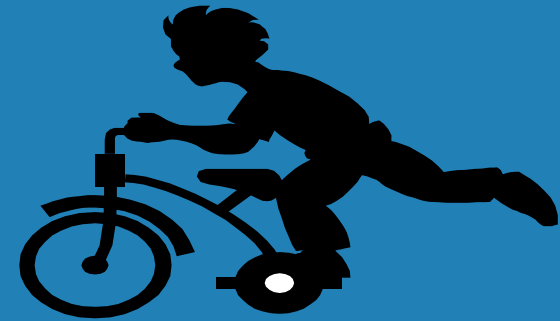
Preoperational

Ω **From 2-8 years**

Ω **Egocentrism**

Ω **Representational, child starts to perceive and manipulate objects and events by symbolizing and generalizing their relationships to each other**

- **A stick becomes a baseball bat**
- **A tin can becomes a soccer ball**



Concrete Operations

- Ω **Approx. eight to eleven**
- Ω **Play becomes less egocentric and strongly modified by rules and codes of conduct, especially in terms of cooperation with others.**
- Ω **Introduction of competitive & cooperative activity.**
- Ω **Adjustments to rules & structure.**



Formal Operations

- ∩ **Age 11 and up.**
- ∩ **Wants rules and limits**
- ∩ **Abstract thinking begins**
- ∩ **Tactical concepts of time and space can be introduced ... Thinking in advance of the ball.**

