

Many schemas make knowledge
& get new knowledge through
acquiring new schemas.

Disequilibrium to Equilibrium
→ reach through Adaptation

Assimilation → old schema, knowledge
Accommodation → new schema
or knowledge.

old knowledge &
→ Addition to old knowledge
→ Problem solving, change, or correct
the problem solving process

4 stages

④ Early Representational thought (18-24 mths) → mental activities →

1. Sensorimotor stage - Birth - 2 yrs.

a) Reflex action - grasping

① Primary (focus on ^{own} body) (1-4 mths)

b) Circular action - 2 of 3 → pleasure
↳ Thumb sucking, rattling etc

c) Object permanence - no concept about object permanence

Self recognition, Deferred imitation, representational play
emergence of ^{general} symbolic function
8 mths. understand permanence of objects, try to find them, when they disappear as they understand it still exists, even if they cannot see.

② Secondary circular Reaction (4-8 mths)
world focus → response from environment
Out of sight is out of mind

Co-ordination of Reaction - (8-12 mths)
Repeatedly observe → cause & effect
rattling → ③ Object permanence

Hide & seek game → tries to find things
④ Tertiary circular Reaction (12-18 mths)
repeats mistakes *

Pre-operational stage 2-7 yrs

- 1. Symbolic Thought / - spots, error.
- 2. Deferred Imitation copy error (no)
- 3. Animistic Thinking → ~~error~~ error
- 4. Ego Centric Thinking
- 5. Centration Thinking

Intuitive Stage - 4-7
Difficulty in conservation
cannot do reversible things

↳ into 2 parts 2 5/10 1 6/10

language, mental imagery
no logical thought,
child's thinking is dominated by
how the world looks, not how
it is sun rises for me. My
mother is the best.
Starts classifying objects but
cannot categorize them.
Animism - Every object has
life. Toys have life.

Logical thought

3. Concrete operational stage

- 1. 6-7 yrs → 11 yrs
- 2. Classification Ability □ □ □ □
- Seriation Ability

↓
 3. Inductive Thinking - *बहु-परिणाम* (Multi-outcome)
अनुमान (Inference)

- 3. Inductive Thinking - *परिणाम* (Outcome)
- 4. Concrete Thinking

Conservation → Things may change in appearance but certain properties remain same.

5. Self centric

logical - ~~things~~ Thinks from head & not count physically outside.

Cannot do Abstract thinking.
 transitivity, seriation, classification, decentered → 2nd persons opinion

4. Formal operational stage -
12 yrs. upwards

Scientific Reasoning

Thought is freed from physical
& perceptual constraints.

- Deal with abstract ideas,

+ - \div \times

Deductive, Inductive thinking
Problem solving, Abstract
thinking <
Ethical, Social, Philosophical.

11yrs \rightarrow upwards

4. Formal Operational Stage

1. Abstract Thinking Ability
2. Deductive Thinking Ability
3. Problem solving Ability