

- + **3-7 Years - Concrete Operational Stage** Learn the idea of conservation. Children can begin to reason with mathematics.
- + **8-12+ Years - Formal Operational Stage** Children can reason about abstract constructs and imagine plausible consequences. Where strong moral reasoning starts.
 - The years going along with these stages are not always the same but the order of stages is.

Lev Vygotsky

- **Socio-cultural Influenced by cognitive development**
 - Parents, caregivers, peers, cultural beliefs, attitudes, and languages are all responsible for the development of the higher order of learning. Children internalize interactions with others. How does that shape us and guide us?
- Children learn actively and through hands-on experiences
- Stresses Social Interaction
- Social Interactions → Cognition → Higher order Learning
- **Babies Have Elementary Mental Functions (4)**
 - 1: Attention
 - 2: Sensation
 - 3: Perception
 - 4: Memory
- **Higher Mental Functions**
 - Independent Learning and Thinking: Need a guide [Parent, teacher, etc...]
 - **MKO: More Knowledgeable Other**: A better understanding or higher ability level than a learner.
 - MKO + Interaction = Learning and Higher Mental Functions
 - **Zone of Proximal Development**: Most sensitive instruction or guidance should be given.
 - **Language: Private/Internal Speech** - When people speak to themselves.
 - How children can plan strategies, language is an accelerator to learning. Children who do a lot of internal speech develop faster and stronger.
 - Thought is a result of language

Jerome Bruner

- **Theory of Development**
 - Based on the idea that we learn best when we go from concrete to abstract in a **3 step** process.
 - 1: hands-on Action
 - 2: Learning With Images
 - 3: Students Transform what they learn with Language
 - While going through these 3 steps we constantly revisit previously learned topics while teachers provide carefully structured guidance along the way.
 - EX: Physically cutting a cake in 4 pieces to learn division [Enactive presentation] → Students asked to draw a cake divided into 4 pieces

Study Guide For Plt Early Childhood

Camilla Rothe



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