

# How does **Structural Learning** enhance educational outcomes?

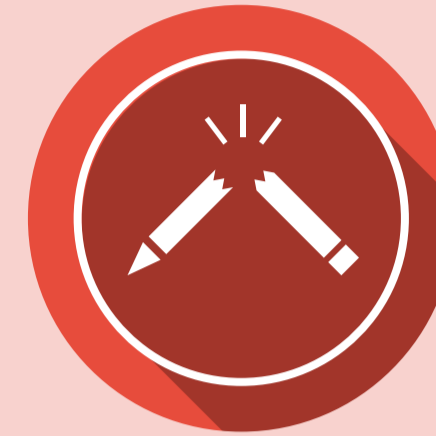
**Problem Analysis:**  
Some learning tasks require advanced cognitions. If students have a limited capacity to manage and develop their thinking then we often see these effects.



**Surface level comprehension:**  
Learners lack 'depth of knowledge'.



**Poor Recall:** Students have difficulty remembering key facts and unscrambling ideas.



**Deficient Written work:**  
Often unstructured and muddled, the learner has difficulty expressing their thoughts onto paper.



**Anxious when Presenting:**  
Pupils are uncomfortable articulating their ideas verbally.

**Structural Learning Metacognitive Principles**



**Break down** complex tasks into 'bite-size' chunks and manageable cognitive processes.



**Organise** information visually and spatially.



**Create** connections that promote critical and creative thinking.



**Talk** through their reasoning and listen to other points of view.



**Develop** the habits of a self-regulated learner.



**Reflect** and adapt (without worrying about failure).

**Cognitive Outcomes**



**Clarity of Thought:**  
Information is processed effectively and knowledge is organised schematically.



**Deeper Meaning Making:**  
Learners see curriculum content as a system of connected ideas.

**Educational Impact**



**Improved Memory:**  
Knowledge is embedded into long-term memory resulting in effective retrieval.



**Better Writing:** Learners have the conceptual understanding and the correct linguistic expression to write with purpose and effect.