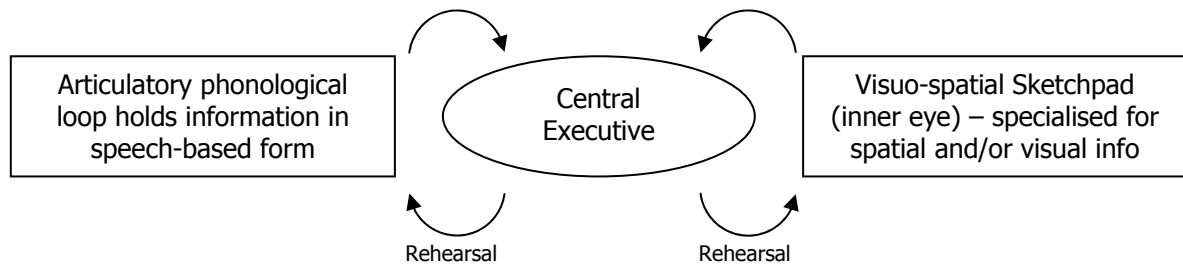


Cognitive Psychology – Notes from 15/03/04

The Working Memory Model



Central Executive

When you pay attention to something, you focus your resources on it. The Central Executive acts as "attention", and draws on the phonological loop of the visuo-spatial sketchpad as "slave systems". The CE has a very limited capacity; in other words, it can't attend to too many things at once.

Articulatory / Phonological Loop

The phonological store is directly concerned with speech perception, whereas the articulatory process is linked to speech production.

Visuo-Spatial Sketchpad

This is a kind of writing pad for visual data, including depth of perception.

Evaluation

The Working Model system is concerned with both active processing and brief stores of information. It also accounts for many findings which are hard to explain in the multi-store model (dealing with dual processing). Lastly, the WM model views verbal reasoning as an optional process that occurs within the articulatory of phonological loop.

Levels of Processing Model by Craik & Lockhart (1972)

Based on three types of processing:

SHALLOW

Brick
Witch
Floor

PHONETIC

Thick
Bitch
Door

DEEP

Building material
Halloween
House