MEMORY THE WORKING MEMORY MODEL

KEY TERMS

- Working Memory Model (WMM) Representation of STM. Suggests STM is a dynamic processor of different information types using sub-units
- Central Executive (CE) Component of WMM that coordinates activities of three sub-systems in memory. Allocates processing resources to those activities
- Phonological Loop (PL) Component of WMM that processes information in terms of sound. Includes written and spoken material divided into phonological store and articulatory process
- Visuo-Spatial Sketchpad (VSS) Component of WMM that processes visual and spatial information in mental space often called 'inner eye'
- Episodic Buffer (EB) Component of WMM that brings together material fro subsystems into a single memory rather than separate strands. Also provides bridge THE WORKING MEMORY MODEL (VIA)

- e slave systems and allocates resources, very Central Ex n ted storage
- Phonological Loop (PL) Auditory information. Phonological store and articulatory process (maintenance rehearsal)
- Visuo-Spatial Sketchpad (VSS) Visual information. Visual cache (store) and inner scribe (spatial arrangement)
- Episodic Buffer Integrates processing of slave systems and records order of events

EVALUATION

- Clinical Evidence KF poor auditory memory but good visual memory. Damaged PL but VSS fine (Shallice and Warrington, 1970)
- Dual-Task Performance Difficult to do two visual tasks at same time, but one visual and one verbal is fine (Baddeley et al., 1975)
- Lack of Clarity over CE Not yet fully explained, probably has different components (Baddeley, 2003)

MEMORY EXPLANATIONS FOR FORGETTING: RETRIEVAL FAILURE

KEY TERMS

- Retrieval Failure Form of forgetting. Occurs when we don't have necessary cues to • access memory
- Cue A 'trigger' that allows us to access a memory

RETRIEVAL FAILURE THEORY

- Encoding Specificity Principle Tulving (1983) said cues most effective if present at ٠ coding and at retrieval, so may be a meaningful link
- Context-Dependent Forgetting Godden and Baddeley (1975) said recall better when external contexts matched (deep-sea divers)
- State-Dependent Forgetting Carter and Cassaday (1998) said recall better view • Notesale.co. internal states matched (antihistamine)

EVALUATION

- of support, Evbence (1010) claims retrieval failure Supporting Evidence de ran ason for LTM forget 1) g is most important
- Quist oning Context Effects of brgetting unless contexts are very different, e.g. on land vs underwater (Baddeley, 1997)
- Recall Vs Recognition Absence of cues affects recall but not recognition (Godden • and Baddeley, 1980)
- Problems with Encoding Specificity Principle ESP isn't testable, leads to circular reasoning
- Real-Life Applications Baddeley (1997) suggests context-related cues worth paying ٠ attention to (e.g. forgetting what you go into a room for, then remembering later)