DUAL CODING WITH TEACHERS

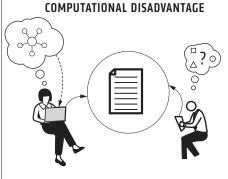


SUMMARY OF PRESENTATION # 1 OF SERIES RESEARCHED BIRMINGHAM 02 | 03 | 2019

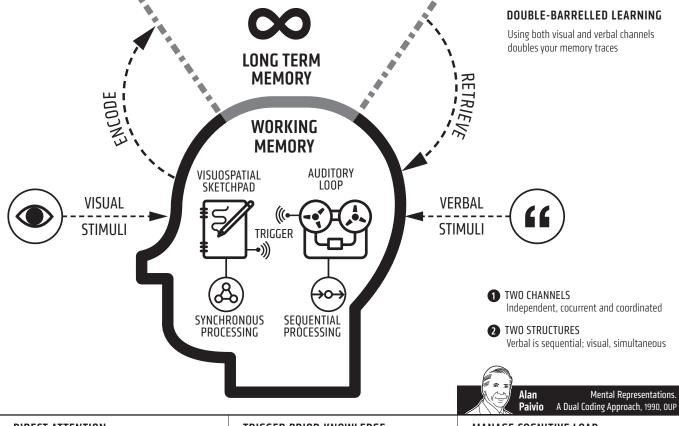
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TRANSIENT INFORMATION

The teacher's schema is invisible. Words disappear.



The author's schema is hidden within the text.



DIRECT ATTENTION

Graphic design can draw attention to the important elements in a visual display, avoding distraction or confusion.



TRIGGER PRIOR KNOWLEDGE

The clarity of graphic displays helps connect to prior knoweldge, which supports the learning of new information.



MANAGE COGNITIVE LOAD

Graphic design can ensure that there is no waste of cognitive resources in dealing with split attention or confusing organisation.



BUILD SCHEMA

The explicit organistion of information helps its encoding into long-term memory and the building of meaningful schema.



TRANSFER LTM INTO WORKING MEMORY

The more organised the information is when it is encoded, the easier it is to retrieve it and use in working memory.



MOTIVATE LEARNERS

Visuals help avoid a wall of words and reassures students that meaning can be accessed, as well as evoking interest.



Even the best-planned graphic, if executed poorly, or laid out hapharzardly, will fail to realise the potential of that graphic to enhance learning.

Graphics for Learning

PROVEN GUIDELINES FOR PLANNING, DESIGNING, AND EVALUATING VISUALS IN TRAINING MATERIALS 2004. Pfeiffer



1 CUT

The biggest improvement you can make to your documents and slides is to reduce the content in them.

The text chunks, and any visual

element, must be aligned to create

a sense of order for easier reading.

ALIGN



Organise your content into easily identified groups, each with a title that stands out (font size & weight).

2 CHUNK





Don't try to be 'artistic' — apply restraint to your fonts (2 types max.) and colours (spot not coverage).





