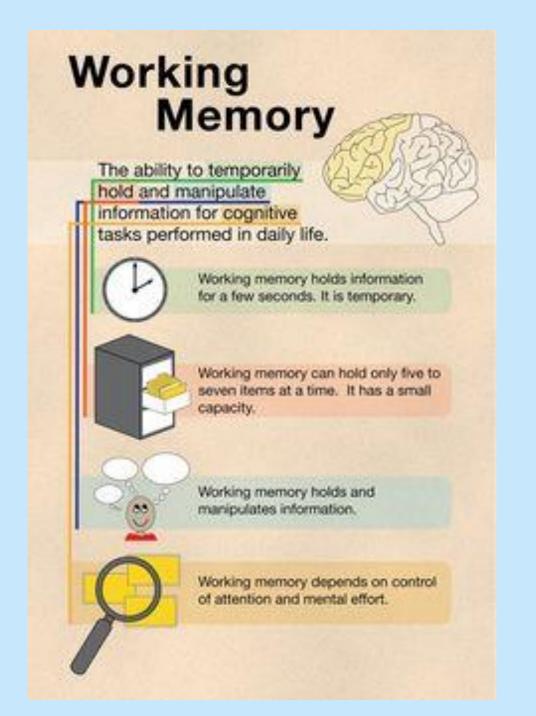
Dyslexia primarily affects the skills involved in accurate and fluent word reading and spelling.

Characteristic features of dyslexia are difficulties in phonological awareness, verbal memory, and verbal processing speed.



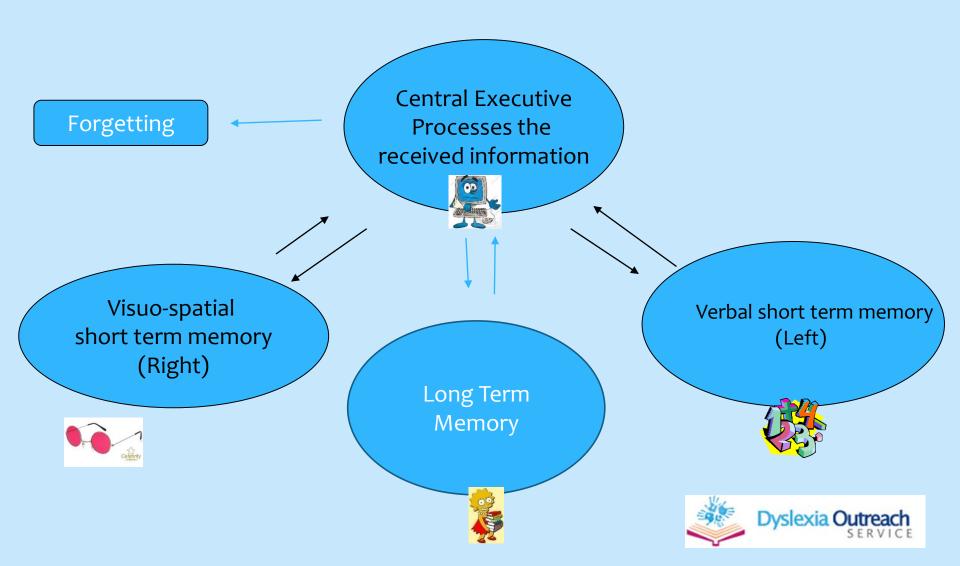
p12 copying activity







Model of Short Term Working Memory



Working Memory

Working memory capacity has more impact on learning than ability.



Working Memory – visual recognition

P13

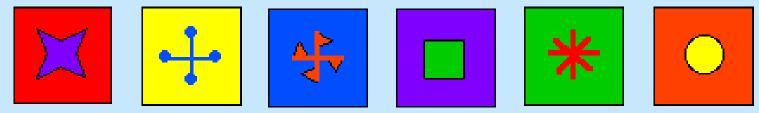
You have 1 minute to look at the following picture and remember as much as you can about it...

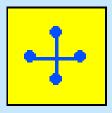


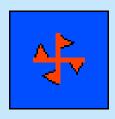


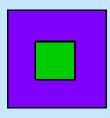
Working Memory – spatial manipulation

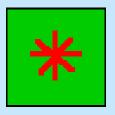


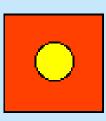


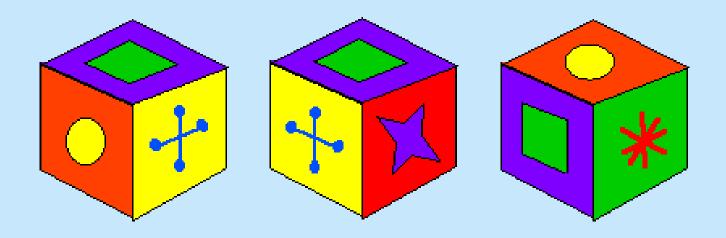




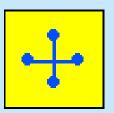


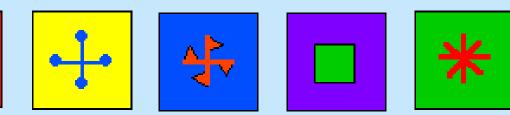


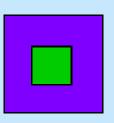


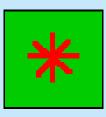


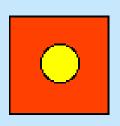


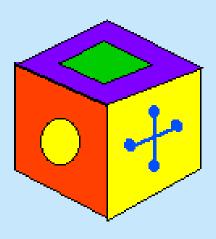


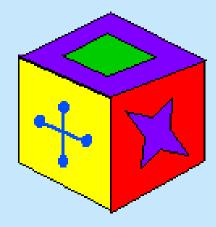


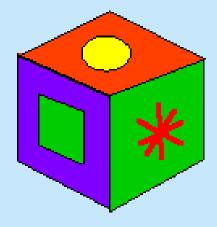




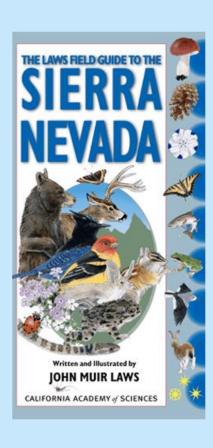








Dyslexic Advantage



Jack Laws Naturalist



Ideas for supporting visual strengths?

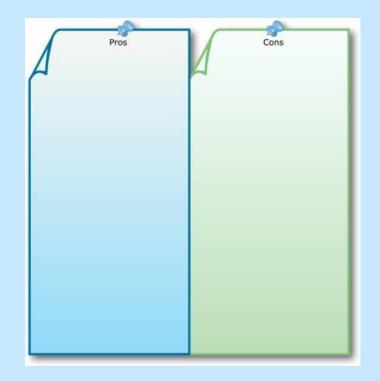


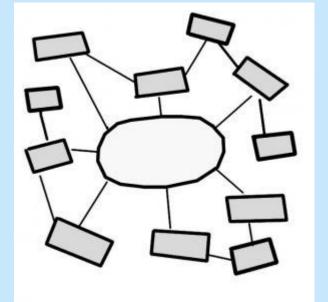
Ideas for supporting visual strengths

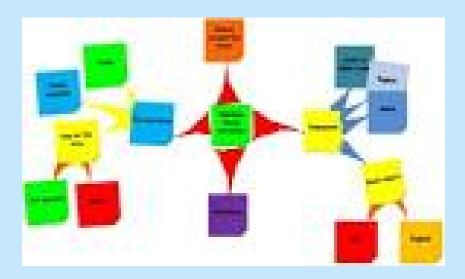
- Mind maps
- * Working walls
- Colour/ highlighters
- * Learning rivers/ story mountains
- Memory aids such as flashcards
- Vertical presentations often work better (e.g. timelines)
- * Flow charts
- * Post it planning
- * Writing frames











p14 digit span activity



Working Memory Capacity

A quick guide for memory capacity at different ages

• 5 – 6 years: 2 instructions

7-9 years: 3 instructions

10 -12 years: 4 instructions

13 – 15 years:5 instructions

16 – 29 years:
6 instructions

Stops increasing in our 30s

Information in working memory has a short duration of around 15 seconds

KEEP INFORMATION VISIBLE FOR LONGER



XNA

SAP

HDF

BIC

IAB

BCX

X

NASA

PHD

FBI

CIA

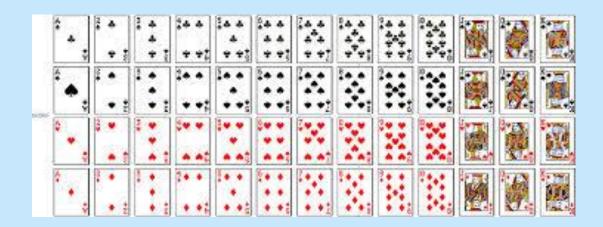
BBC

X

p14 processing & storage activity



A dyslexic's brain....





Reduced working memory capacity – general strategies for the classroom

- Be clear, concise & unambiguous
- Deliver instructions in 1 or 2 chunks
- * Repeat sequences often
- Allow for processing time
- Ask for instructions to be repeated back to you
- * Minimise stress that can result from forgetting (give praise for asking)
- * Provide memory aids mnemonics, calculator, topic literacy mat
- Support with visual reference e.g. page number on board, highlight key parts in the text