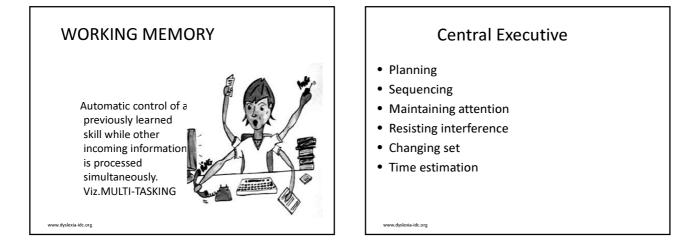


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Visuospatial Sketchpad

- Storage and manipulation of spatial and visual information
- Stores form and colour information
- Stores spatial/movement information

It has a limited capacity

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Phonological Loop

- Remembering serial information
- Temporary storage for unfamiliar words while they are being remembered
- Preserves the order in which words are presented
- It is very important to language learning
- Underlies grammar and syntax It has limited capacity

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Implications: Difficulties

- Organisational difficulties
- Problems with memory tasks
- Time management/estimation
- Problems with literacy
- Dealing with change

GOOD DAYS/BAD DAYS

- Dyslexic and non-dyslexic adults experience good days and bad days
- Non-dyslexic adults define bad days in emotional terms, e.g. moodiness, depression
- Dyslexic adults experience an exacerbation of the difficulties associated with dyslexia (Freeman, 2003)

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Implications: Skills and Abilities

- Global visual-spatial processing ability (Von Karolyi, 2003)
 - the big picture
- Use visual and visual spatial processes in reasoning innovative and divergent in thinking
- Deployment v ability (Bacon & Handley, 2010)

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Episodic Buffer

- Integrates/binds information from a range of sources into a single structure or 'episode'
- Acts as an intermediary between the Central executive, phonological loop and Visual spatial sketchpad
- Conscious awareness is the principal mode of retrieval from the buffer

Implications: Affective

Working Memory Hedonic detector – stress and depression (Baddeley, 2007) Executive functions – self-regulation (Blair & Ursache, 2011)

Dyslexic people might be prone to stress, anxiety and depression.

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Strategy Development: Principles

- Strategies serve different purposes
- Strategies must be individualised
- Strategies do not eliminate processing difficulties
- The best strategies come from experience
- The law of parsimony they should achieve the goal, consuming as few intellectual processes as necessary

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Skills, Compensation/Strategy Accommodation

- The Skills people need to develop e.g. write reports and assignments, take calls, and self advocacy
- •
- **Compensation** are what people can use to help them e.g. practical or technological aids
- Adjustments are the changes that can be made to help them: extra time, proofreading, specialist coaching/mentoring

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The 3 M's

Make it Manageable - reduce the load on working memory

- avoid dual processing
- look for patterns in and/or chunk series
- work for short periods
- read what you need to read
- plan written work
- use technology

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The 3 M's Make it Multi-sensory -increase the power of encoding by using a variety of stimuli • Make us • use videos and CD-Roms • N • lists, wall charts etc • R • talk and discuss • V • colour code • do

The 3 M's

Make use of Memory Aids - to facilitate recall

- Notes
- Record
- Review/summing up
- Visual imagery
- Logic

Final thoughts: Cures

Extravagant claims have been made for:

- Coloured glasses/Eye exercises
- Diet
- Balance exercises/Patterning

If something looks too good to be true. It probably is!

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Final thoughts: Success

- Understand yourself
- Find your niche
- Work with your strengths
- Develop skills and strategies
- Tell/show what you can do

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