

Working with learners with Dyslexia

24 April 2015

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What is dyslexia?

If we say dyslexia is a syndrome – what do we mean by a syndrome?



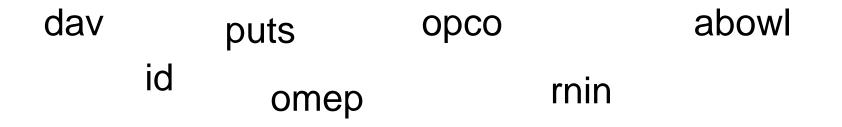
Identified by an established group of signs and symptoms

Dyslexia

Indicators (there are more)

- a difficulty processing written language
- discriminating or 'holding' sounds
- problems decoding when reading
- confusing or omitting sounds when spelling

bav ib duts omed obcornin adowl



David put some popcorn in a bowl

Lets try some exercises to show us what having dyslexia means...

Say the colour NOT the word....

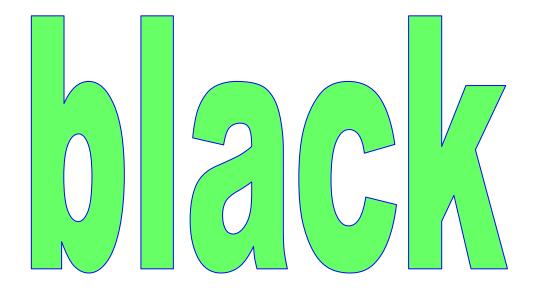




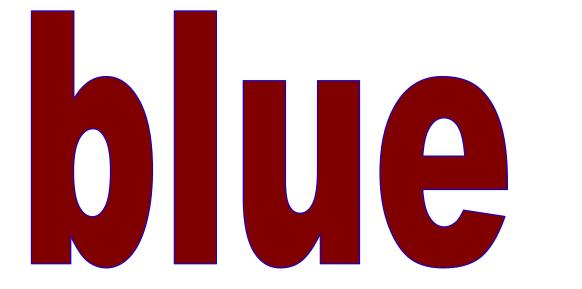


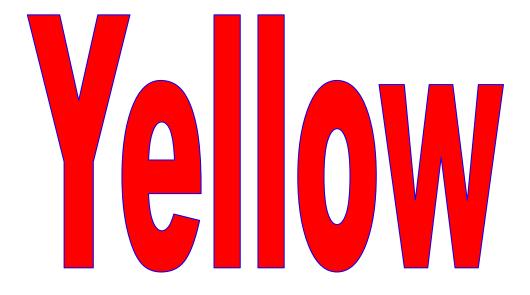


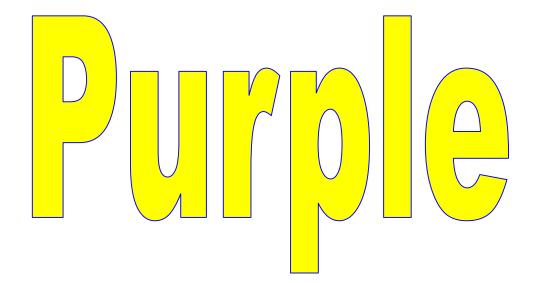






















'In terms of specialised functions there is an important difference between the left and right halves of the brain' Neuropsychological Treatment of Dyslexia D.J. Bakker

Left brain hemisphere

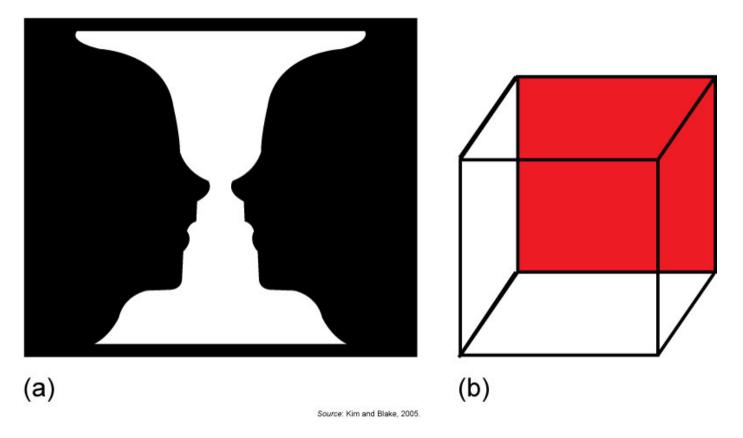
- Language
- Facts
- Analysis
- Time orientation
- Sequencing
- Structure
- Mathematics
- Listening

This is true for the majority of people.

Right brain hemisphere

- Pictures
- Feelings
- Humour
- Artistic
- Musical
- 3-D visual/spatial
- Patterns
- 'Whole picture'

Ambiguous stimuli



Ambiguous stimuli pose choices for interpretation. It all depends on how the image is perceived and what ever preconceived notions you may have.

So, what is dyslexia?

It is generally agreed that the difficulties associated with what we call dyslexia are caused by the brain processing in a **different** way than the majority

It is naturally occurring – i.e. a part of human diversity

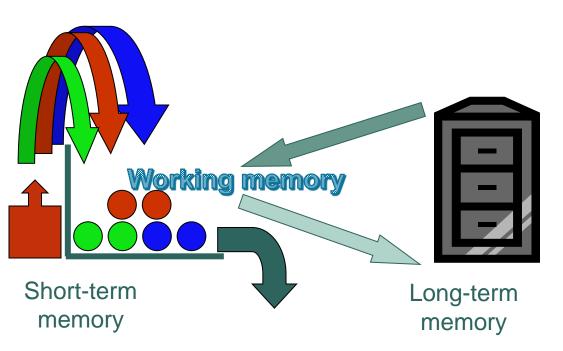
- independent of intelligence
- affects at least 10 per cent of the population
- 4 per cent severely
- often not identified at school
- Many may not know they are dyslexic

It is a syndrome – a group of symptoms. If a pupil has enough of the symptoms/signs – then he/she is considered to be dyslexic

Dyslexia

Problems:

- Capacity
- Speed of processing
- Storing in long-term memory
- Retrieval
- Manipulating information
- Misunderstanding



Dyslexia

A difficulty processing written language

Sequencing/working memory/decoding?

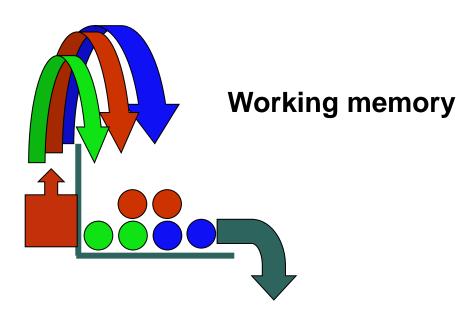
discriminating or 'holding' sounds

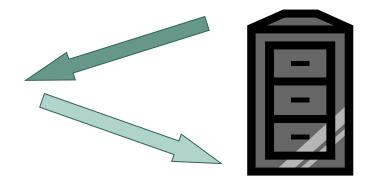
Auditory processing?

confusing or omitting sounds when spelling

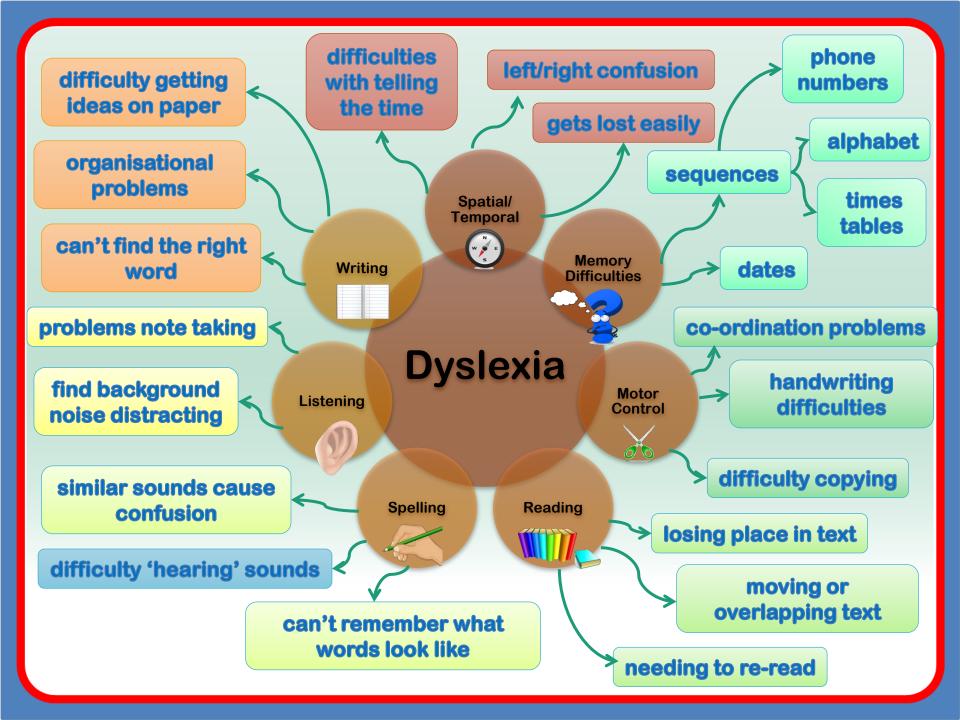
Visual processing? Sequencing? Speed of processing? Catastrophic loss

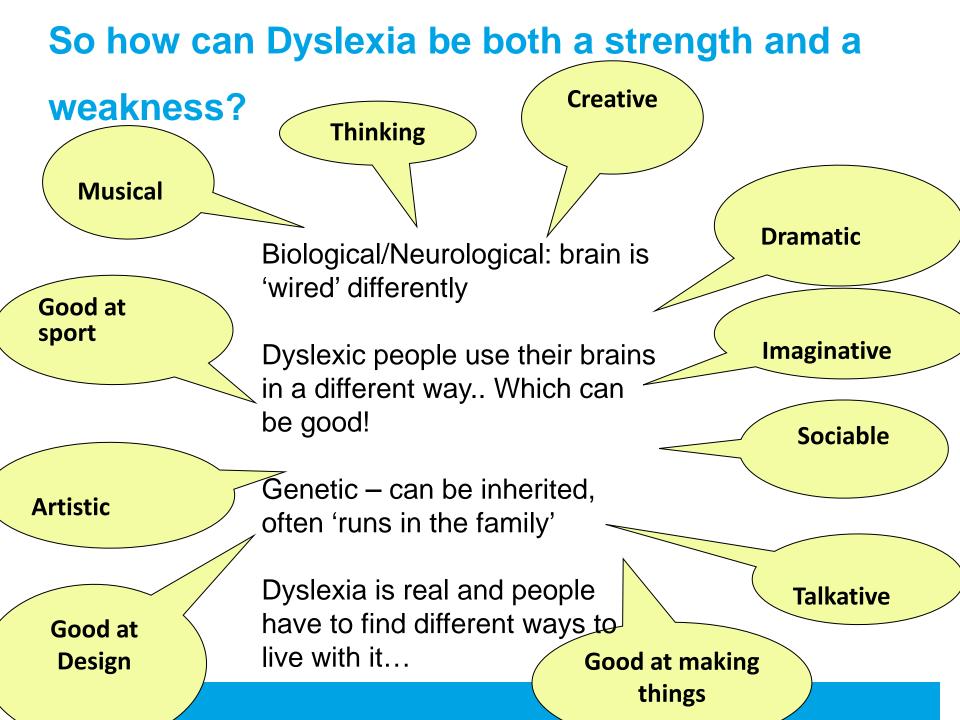
A critical part of learning is working memory





Long-term memory





This girl is dyslexic and this is how it affects her...

- I have difficulties reading, writing, spelling.
- I have some difficulties with maths.



- Sometimes I find it difficult to concentrate.
- I get letters or numbers mixed up.
- I have problems meeting deadlines or being on time.
- I can be quite forgetful.
- Have good and bad days.
- But I'm really good at subjects like art, music, drama, sports, building/designing.

Dyslexia also gives her lots of good things...



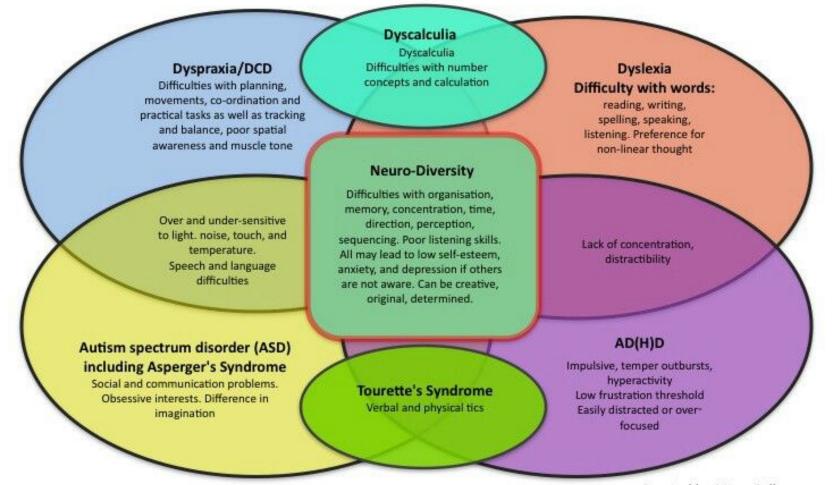
- Excellent trouble shooter...I'm good at solving problems
- Creative.. I love music art and drama
- Good communicators... I'm good at explaining my ideas
- Vivid imaginations
- Curiosity... I love finding out about new things



Neurodiversity

The Make-up of Neuro-Diversity

This is a document for discussion, concentrating mainly on the difficulties of those with neuro-diversity. It must however be pointed out that many such people are excellent at maths, co-ordination, reading etc . We are people of extremes.



Created by Mary Colley

Early identification and good teaching

Early identification and good teaching

A lot of what happens in schools disadvantages dyslexic learners

Classroom Support

Be aware of the warning signs of working memory failure

Monitor the child

Reduce amount of information to be stored

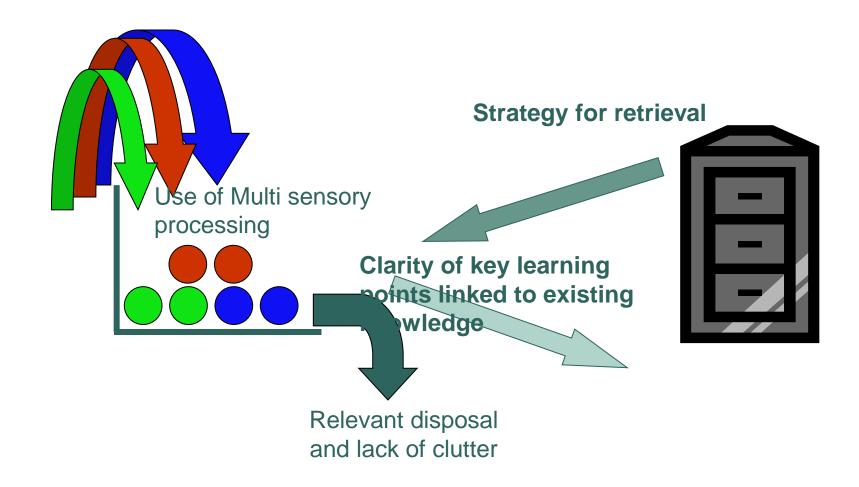
Reduce difficulty of processing

Be prepared to represent important information

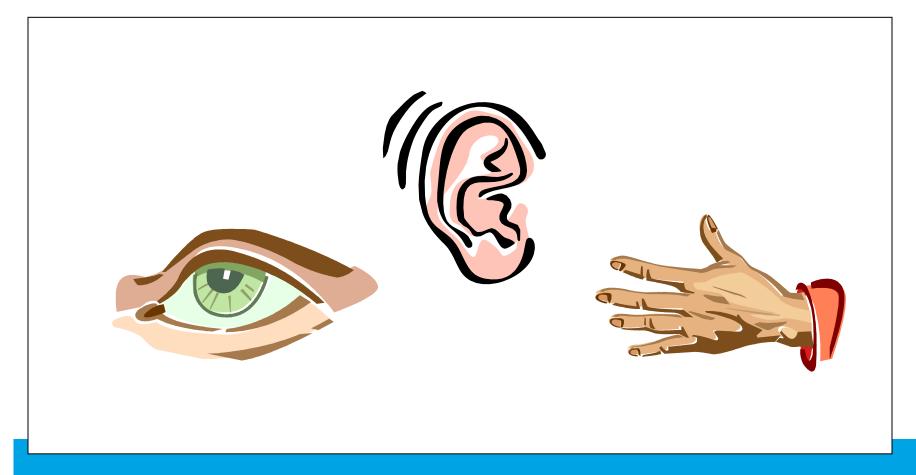
Encourage the use of memory aids

Help the child to use strategies

How do we help dyslexic learners



Opening up the super-highway into learning



How can I take account of different learning styles?

Learners have tendencies towards different learning styles and you need to present information through a variety of channels. They may learn more effectively through:

> Kinaesthetic channels Visual channels Auditory channels or through a combination of all three.

Ensure that teaching accommodates learning styles.

How can I help learners who are more kinaesthetic? Kinaesthetic learners respond well to:

> active involvement movement hands-on activities designing and creating role play and drama

Remember to use vocabulary which stresses touch and movement:

feel, touch, grasp solid, impression, get hold of make contact, catch on to slip through, tap into, throw out

How can I help learners who are more visual?

Visual learners respond well to:

diagrams graphs and charts pictures mind maps extensive use of colour

- wall charts
- posters
- videos
 - performances

Remember to use vocabulary with a visual theme:

see, look, appear, view, show, reveal clear, foggy, sharp focus, imagine, picture, vivid, snap shot, crystal clear

How can I help learners who are more auditory? Auditory learners respond well to:

spoken word rhythm, rhyme and varied tone of voice audio tapes discussion sound effects verbal rehearsal

Remember to use vocabulary which stresses auditory activities:

listen, hear, sound, silence tell, tune in, make music be all ears, be heard, ring a bell

Right-brain and left-brain the word "car"

car

car



Teaching English

Supporting Writing – a 5 stage model

generate ideas
sort ideas into themes
organise the themes
sequence the themes into paragraphs
rehearse the plan by talking it through

The key to successful learning is the ability to organise thoughts. We teach you how to do it visually.



Supporting Writing – Generating ideas

DUMP: GENERATE IDEAS

- Dump —or brainstorm— ideas about the topic
- Emphasise "get it out" not "get it right"





Supporting Writing – Sorting ideas





Supporting Writing – organise ideas

MAP: ORGANISE IDEAS

- Organise the groups of words hierarchically
- Find the main words to label the main branches
- Find the next level of words (smaller branches)
- Continue until all words are organised
- Add more words too





Supporting Writing – sequence

SEQUENCE THE PARAGRAPHS

Put the branches into the order you will use them
 Each main branch can be a paragraph or section of several branches





Supporting Writing – rehearse

REHEARSE THE COMMUNICATION

Place the map between the pair

In pairs, and in sequence, explain personal maps to one another

Add additional details as you talk about them





Supporting Writing – begin writing

WRITE OUT THE PLAN

- Place the map in front of the pupil
- Write according to the plan
- Include the extra details mentioned in the talk

