

DEFINITIONS OF DYSLEXIA

- A language-processing disorder that also impacts directionality and the ability to memorize random facts.

DEFINITION...

- A language-processing disorder that also impacts directionality and the ability to memorize random facts.
- The NIH Definition:
 - Dyslexia is a specific learning disability that is neurological in origin. Etc....

DEFINITION...

- A language-processing disorder that also impacts directionality and the ability to memorize random facts.
- The NIH Definition:
 - Dyslexia is a specific learning disability that is neurological in origin. Etc....
 - These difficulties typically result from a deficit in the **phonological component** of language that is often unexpected in relation to other cognitive abilities and the provision of effective classroom instruction...

What does that mean in a practical way...?



I was placed in special education classes because of my dyslexia that went undiagnosed. I had to make my own opportunities and teach myself so that I could get ahead. My wife had to read everything for me. When I was acting, I would have her read and coach read me the whole script; I would memorize everyone else's lines along with mine.

BILLY BANKS



- Dyslexia (It's Latin)
 - Dys = difficulty with
 - Lexia = language
 - Difficulty with Language:
 - Oral Speech
 - Auditory Processing
 - Reading
 - Written Expression and Spelling

"At the age of eight I still couldn't read. I was soon being beaten once or twice a week for doing poor class work or confusing the date of the Battle of Hastings."

– Richard Branson:
Founder of a whole series of Virgin enterprises

RICHARD BRANSON



LET'S BE DYSLEXIC!!!

Writing Simulation

- Paper
- Pencil
- Exercise
- Reflect



WHAT WE KNOW ABOUT IT...

- Inherited – 100%
- Brain Difference
- Process language differently
- Effects Directionality
- Effects Memory

HOW MANY?

- 20% of the WORLD Population
 - 1 out of 5
 - Some mild, some severe



HOW MANY?

- 20% of the WORLD Population
 - 1 out of 5
 - Some mild, some severe
- In any given typical classroom of 30 kiddos
 - 5 or 6 will have dyslexia



HOW MANY?

- 20% of the WORLD Population
 - 1 out of 5
 - Some mild, some severe
- In any given typical classroom of 30 kiddos
 - 5 or 6 will have dyslexia
- Dyslexic Gender Population figures...
 - 50% Boys
 - 50% Girls

INTERESTING PERCENTAGES

World Population Numbers

- 20+% Dyslexia
 - Dysgraphia Mass Pop
- 17% Left Handed
- 16+% ADD/ADHD
- .95% ASD/Aspergers/
PDD

Dyslexia & Friends

- 97% Dysgraphic
- 50% Left Handed
- 40% ADD/ADHD
- 8% ASD/PDD
 - 1+% Aspergers

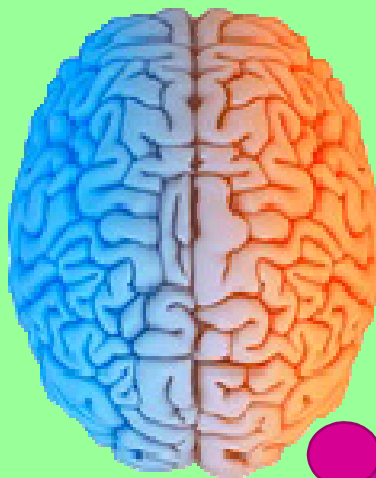
DYSLEXIA: WHAT TO LOOK FOR...

- Warning Signs of Dyslexia in Toddlers/Preschoolers (signs will show as early as 12 months old)
 - Delayed speech
 - Chronic ear infections
 - Severe reactions to childhood illnesses
 - Mixing up the sounds & syllables in long words
 - Constant confusion of left versus right
 - Late to establish a dominant hand
 - Difficulty learning to tie shoes
 - Can't create words that rhyme
 - A close relative with Dyslexia

**3 or more Warning Signs...
it's Dyslexia!**



Brain Differences







Tom, like his mother, suffered from dyslexia and was put into the remedial classes at school. Tom is right handed when writing, but does most things left handed. While Tom was not an academic success, he focused on athletics and competed in many sports.



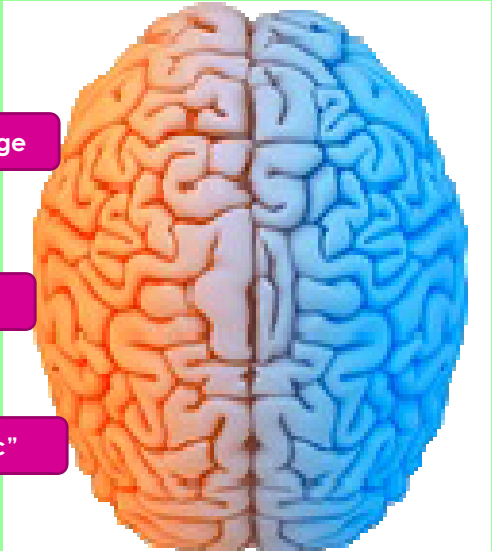
TOM CRUISE

BRAIN RESEARCH

Typical Brain		Dyslexic Brain	
Left	Right 10% Smaller	Left	Right
			

Harvard Studies discoveries in the late 1970's

Left side

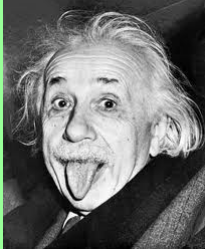


Language

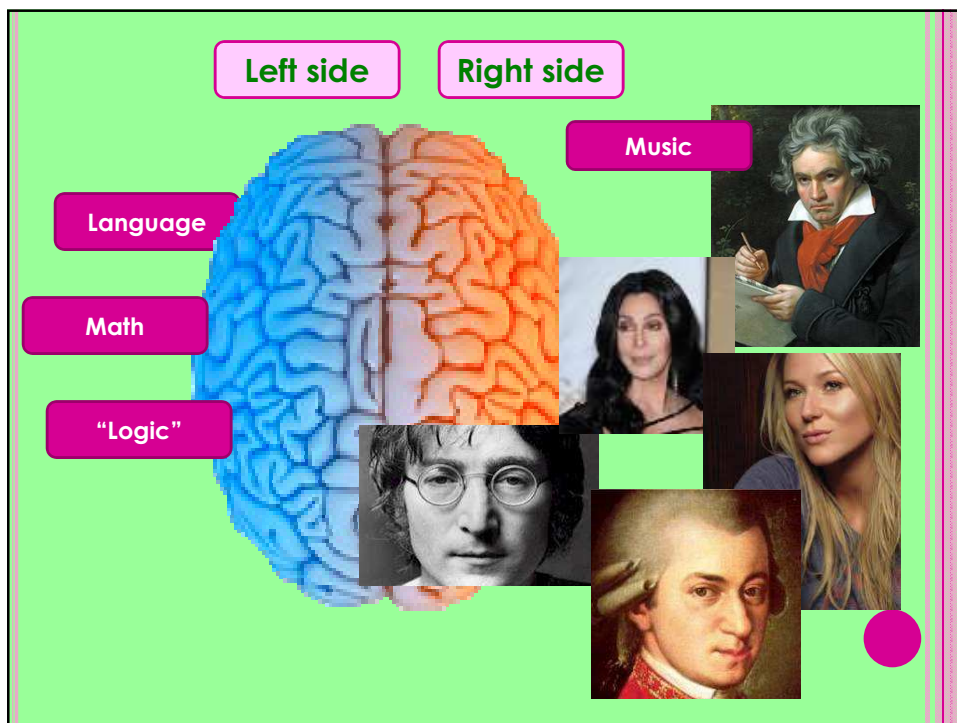
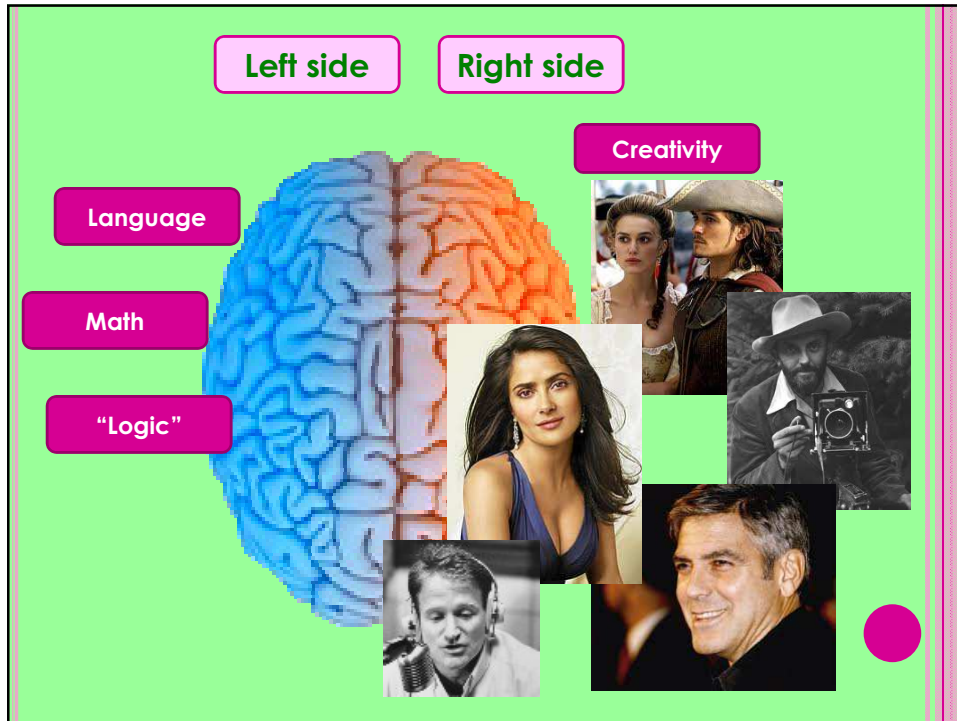
Math

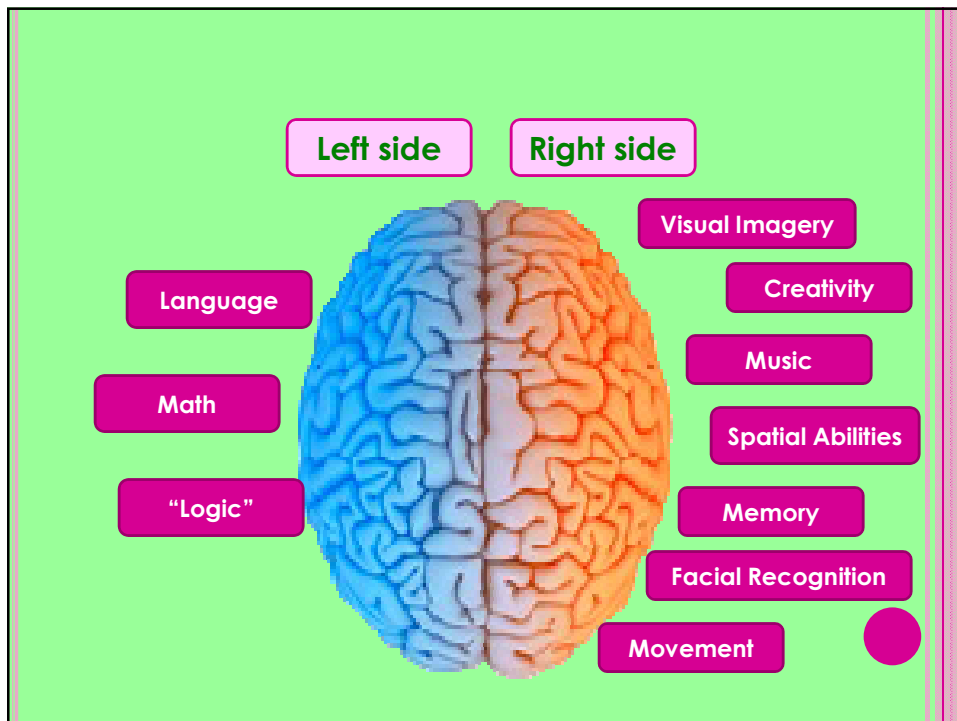
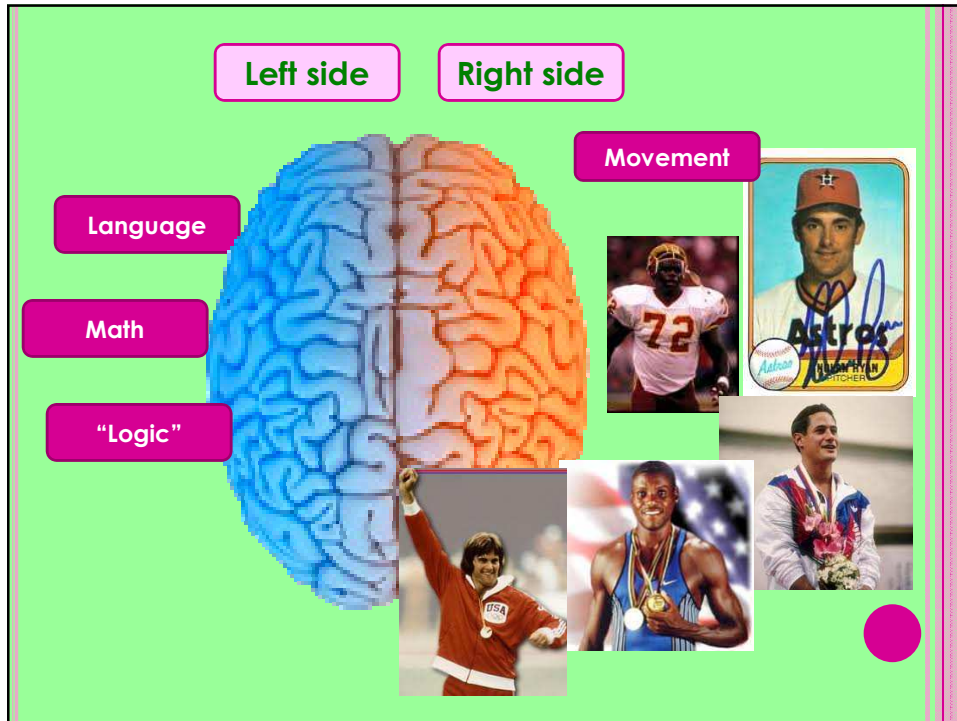
"Logic"

"He told me that his teachers reported that . . . he was mentally slow, unsociable, and adrift forever in his foolish dreams."
- Hans Albert Einstein, on his father, Albert Einstein



ALBERT EINSTEIN





The Good

- Creativity
 - Art/Design
- Music
 - Instrumental & Vocal
- Movement
 - Spatial Abilities
 - Athletic
- Common Sense
 - Intuitive
 - High in People Skills
- Memory
 - Logical Concrete Concepts
- Visual Imagery
 - Ability to see things in 3-D



The Bad

Let's look at "Our" Alphabet

- Lines
- Circles
- Dots
- Sounds
- Vowels
- Consonants
- Digraphs

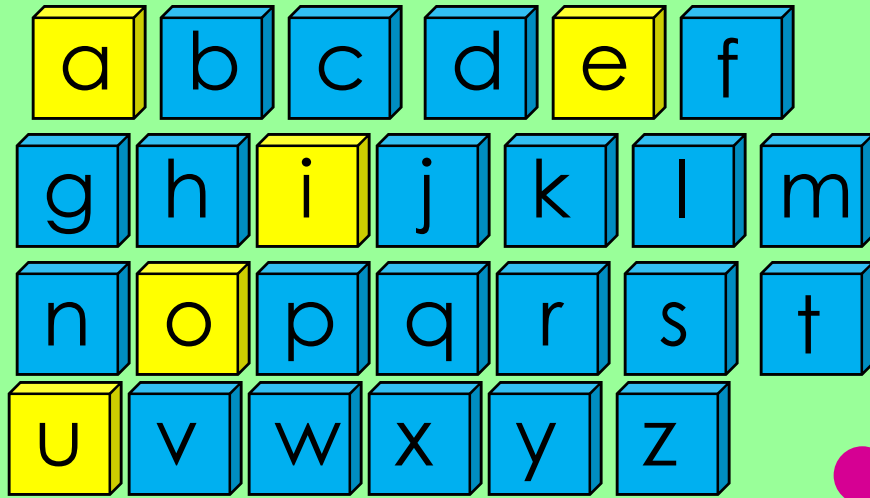
- ✓ Days of the Week?
- ✓ Months of the Year?
- ✓ Times Tables?

Think in pictures
Brain is full of JPG's

- Memorizing Arbitrary items
- Shape Reads
- Sequence
- ·Omit or Insert
- ·Directionality
- ·Silent - E
- ·Sight Words
- ·Ignore Suffixes
- ·Semantic Substitutions
- ·Ignore or Change Function Words
- ·Guess



LOOK AT OUR ALPHABET...



WHY NOT LIKE THIS...



ALPHABETICAL?????

Days of the Week?

- Sunday
- Monday
- Tuesday
- Wednesday
- Thursday
- Friday
- Saturday

Months of the Year?

- January
- February
- March
- April
- May
- June
- July
- August
- September
- October
- November
- December



The Bad

cat

How many different words
share this "SHAPE"?

Let's find out...

cat oat cot
set eat
act sat

- Memorizing Arbitrary items
- Shape Reads
- Sequence
- ·Omit or Insert
- ·Directionality
- ·Silent - E
- ·Sight Words
- ·Ignore Suffixes
- ·Semantic Substitutions
- ·Ignore or Change Function Words
- ·Guess



The Bad

girl vs. gril

form vs. from

Leaves out "a" and "the"

big vs. dig

may vs. way

Decorates with "Silent E"

Skips or changes

needed vs. need

horse vs. pony

- Memorizing Arbitrary items
- Shape Reads
- Sequence
- Omit or Insert
- Directionality
- Silent - E
- Sight Words
- Ignore Suffixes
- Semantic Substitutions
- Ignore or Change Function Words
- Guess (over time we become amazing guessers!)

WHY IS THIS HAPPENING???????

It is due to the lack of Phonemic Awareness!

WHAT IS PHONEMIC AWARENESS?

The ability to identify and manipulate sounds in a one syllable word – IN YOUR HEAD!



7 ESSENTIAL AWARENESS SKILLS

- Segmentation:
 - Count or say each sound:
 - What sounds do you hear in the word **HIT**?
 - What is the last sound in the word **TAP**?
 - How many sounds do you hear in the word **CAT**?



7 ESSENTIAL AWARENESS SKILLS

- Segmentation:
- Phoneme Addition:
 - Add a sound –
 - If you took the sounds **/sa/** and added **/m/**, what word would you have?



7 ESSENTIAL AWARENESS SKILLS

- Segmentation:
- Phoneme Addition:
- Phoneme Deletion:
 - Delete a sound-
 - What word would be left if **/k/** were taken away from **CAT**?



7 ESSENTIAL AWARENESS SKILLS

- Segmentation:
- Phoneme Addition:
- Phoneme Deletion:
- Phoneme Substitution:
 - Change a sound-
 - What word would you have if you change the /h/ in **HOT** to /p/?



7 ESSENTIAL AWARENESS SKILLS

- Segmentation:
- Phoneme Addition:
- Phoneme Deletion:
- Phoneme Substitution:
- Phoneme Matching:
 - Compare 2 words -
 - Do **PEN** and **PIPE** start with the same sound?



7 ESSENTIAL AWARENESS SKILLS

- Segmentation:
- Phoneme Addition:
- Phoneme Deletion:
- Phoneme Substitution:
- Phoneme Matching:
- Blending:
 - Putting sounds together -
 - What word would you have if you put/ran these sounds together: /s/ /a/ /t/?



7 ESSENTIAL AWARENESS SKILLS

- Segmentation:
- Phoneme Addition:
- Phoneme Deletion:
- Phoneme Substitution:
- Phoneme Matching:
- Blending:
- Rhyming:
 - Create words that rhyme -
 - Tell me as many words as you can that rhyme with **CAT**?



WHAT WON'T WORK...

- Hooked on Phonics
- Reading Recovery
- Read Naturally
- Accelerated Reader
- Vision Therapy or colored overlays
- Brain Gym or other exercises
- Sylvan, Score or Kumon centers
- Ron Davis – Gift of Dyslexia
- Special diet or medicine

Dyslexia has not affected her ability to learn her lines and adds, "I can learn them fine. It's just reading them in the first place that is the problem."

Kiera Knightly

KIERA KNIGHTLY



WHAT DO WE DO?

- EPHAS
 - English Phonemic Awareness System Barton influenced
- Orton-Gillingham Based Curriculum
 - **Barton Reading & Spelling**
 - Language!
 - Wilson
 - Slingerland
 - 2 others...
- Handwriting Without Tears
- Math U See
- Keyboarding
- Dragon Speak Version 13
- Learning Ally

"I couldn't read. I just scraped by. My solution back then was to read classic comic books because I could figure them out from the context of the pictures. Now I listen to books on tape."

- Charles Schwab

CHARLES SCHWAB





QUESTIONS & ANSWERS
Kelly English, MA ABA
Early Communication & Certified Dyslexia Specialist