Conquering Dyslexia Book Study
Chapters 1 & 2
Jan Hasbrouck, Ph.D.
@janhasbrouck

BIG THANKS
to all the sponsors and volunteers!
Ch 1 & 2:
The Reading League New Jersey
Ch 3:
The Reading League Georgia; IDA Georgia
Ch 4 & 5:
The Reading League Florida; IDA Florida
Final Session: Q&A with Jan
The Reading League New Jersey

How it works...

<table>
<thead>
<tr>
<th>Sessions</th>
<th>Date</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Jan Hasbrouck Moderated by TRL NJ</td>
<td>Wednesday July 7</td>
<td>Chapters 1 &amp; 2</td>
</tr>
<tr>
<td>Dr. Jan Hasbrouck Moderated by TRL GA</td>
<td>Wednesday July 14</td>
<td>Chapter 3</td>
</tr>
<tr>
<td>Dr. Jan Hasbrouck Moderated by TRL FL &amp; IDA FL</td>
<td>Wednesday July 21</td>
<td>Chapters 4 &amp; 5</td>
</tr>
<tr>
<td>Dr. Jan Hasbrouck Moderated by TRL GA</td>
<td>Wednesday July 28</td>
<td>Open Q&amp;A with Dr. Hasbrouck</td>
</tr>
</tbody>
</table>

Important Information

• Use the same Zoom webinar link for each session; same time each Wednesday.

• Please complete the form at the end of each session: ALTA, IMSLEC, CERI certificate of attendance information for continuing hours information is on the form.

• Use the Q&A for any questions you have for Jan during the presentations. Feel free to use the chat for general communications.
May I introduce myself…

- I’m a lucky resident of beautiful Seattle, WA.
- I was a reading specialist and reading coach in Oregon for 15 years.
- I was a researcher/instructor at the U of Oregon then a professor at Texas A&M. Now…
- Co-founder and board member of Read WA.
- FULL DISCLOSURE: Member of MHE Wonders and Wonder Works author teams + other books and several assessment tools. Trainer for Read Naturally.
- Volunteer with MTSS data team at K-8 school in Seattle.
- I have a daughter with dyslexia.

CONQUERING Dyslexia
A Guide to Early Detection and Intervention for Teachers and Families

Jan Hasbrouck, Ph.D.

- Ch. 1  What is Dyslexia?
- Ch. 2  What are the Signs to Look For?
- Ch. 3  How is Dyslexia Diagnosed?
- Ch. 4  Teach Students to Read: HOW
- Ch. 5  Teach Students to Read: WHAT

Resources for Dyslexia
Glossary & References

How this book come to be…

References:
12+ pages!

Key Reference:
Fletcher, Lyon, Fuchs, & Barnes
Chapter 1
WHAT is Dyslexia?
“Dyslexia is a specific learning disability that is neurobiological in origin. It is characterized by difficulties with accurate and/or fluent word recognition and by poor spelling and decoding abilities. 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.”

The International Dyslexia Association

Discussed more in Chapter 3…

10 Dyslexia Myths

- Reversals b/d p/q
- Text moves on the page
- Reading backwards
- Eye or vision issues
- Boys more than girls
- Need to try harder

Dyslexia Research

Medicine
- Neuroanatomy
- Neurobiology
- Pediatrics
- Developmental cognitive neuroscience
- Ophthalmology & optometry

Psychology & Education
- Cognitive psychology
- Educational psychology
- Special education
- Developmental cognitive psychology
- Audiology & speech pathology

Magnetic Source Imaging
- Magnetoencephalography
- Functional magnetic-resonance imaging
5 Year Olds Before Learning to Read

Dyslexia Research

"Dyslexia-specific brain activation profile becomes normal following successful remedial training 8 children with severe dyslexia" (2002). Simos et al., Neurology

8 students; 7-17 years old
8 week intense phonologically-based intervention
2 hours a day = up to 80 hours of instruction

"Findings suggest that the deficit in functional brain organization underlying dyslexia can be reversed after sufficiently intense intervention lasting as little as 2 months..."

"brain surgery by instruction"

Defining Dyslexia

- Not a visual/spatial issue:
  - Blind children learn to read with relative ease
  - Deaf children have tremendous difficulty learning to read
Defining Dyslexia

- Not a visual/spatial issue: AUSTRALY
- Varies in intensity and impact (mild to severe)
- Genetic
- Can affect speaking fluency (processing, storing, accessing)
- Emotional consequences; confidence
- Perhaps 15% of the population (p. 19)
  3% to 20% (Elliott & Grigorenko, 2014)
  1% to 15% (Fletcher et al., 2019)

Chapter 2
What Are the Signs to Look For?

Early Intervention
Page 37

Good news...
- Early identification PLUS
- Early & appropriate intervention EQUALS:
  * "Overcoming" dyslexia (Shaywitz, 2003)
  * "Preventing" dyslexia (Fletcher et al., 2019; Gaab, 2019)

Tweet from Dr. Nadine Gaab @GaabLab
October 9, 2020 5:55 PM

Keep in mind that all children who struggle with learning to read need evidence-based interventions regardless of the cause of their struggle, their school’s or parent’s resources, their skin color, & whether they have a #dyslexia diagnosis or not. Our task is to make this happen.
"The question is: How can we help anyone who struggles with reading, writing, and spelling regardless of the presumed cause?" p. 19

Emotional, Behavioral, & Social Impacts
Pages 41-47

Noah
18 year old HS senior
Dyslexic (Reading 4th gr level; Spelling 3rd gr)
Page from his daily ELA journal (p. 48)

English Learners & Dyslexia
Pages 38-39

Elsa Cárdenas-Hagan
Editor
2020
Forward by Sharon Vaughn
Parent Activism!
The Learning Spark blog (January 10, 2021)
Healing Depression Through the Science of Reading

“We [parents] witness the effects of poor reading instruction every day. There is a reason we are so passionate, so angry, so committed. Our children are in pain. They are haunted. Some have given up…”

Sam
Sam was a joyful baby, toddler and preschooler.
[A]voidance behaviors began as early as kindergarten.
[F]ull-on tantrums each night.
My joyful little boy was now joyless.
He hated school, had stomach aches every day...
Sam was quiet, well mannered, so managed to fly under the teacher’s radar.
Fortunately, Sam was lucky enough to have a 2nd grade teacher who not only understood dyslexia but knew what to do about it.

Parent Activism!
Dyslexia: A family disorder
“Decoding Dyslexia” groups
Resources pgs 160-162
Glossary pgs 179-192

JOIN US!
Chapter 3
How is Dyslexia Diagnosed?
Tuesday July 14
7:00 PM EST/4:00 PM PST