

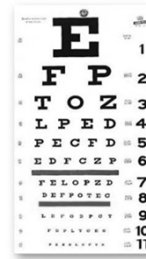
Visual Secrets for Spelling

The Vision Therapy Center, Inc.

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What is vision?



"When vision is working well it guides and leads. When vision is not working well it interferes."

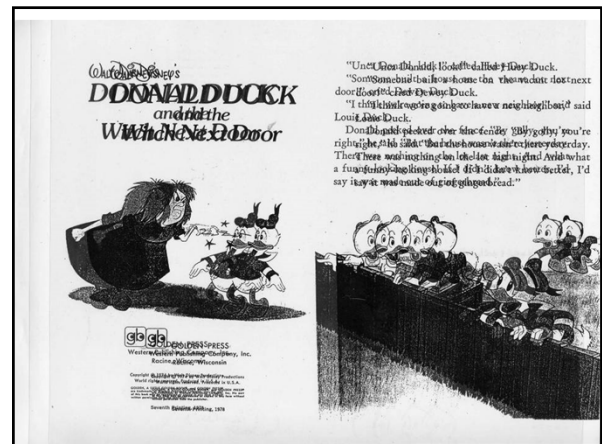
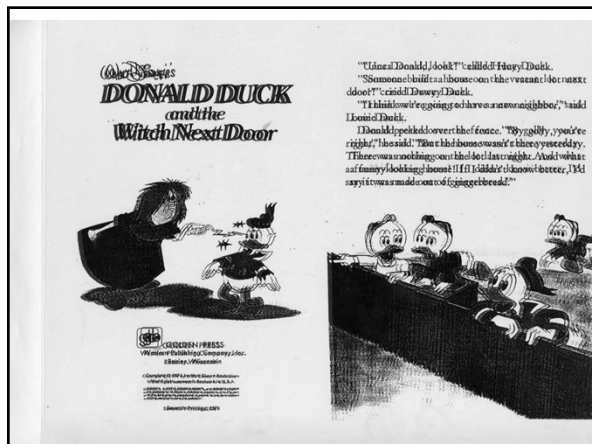
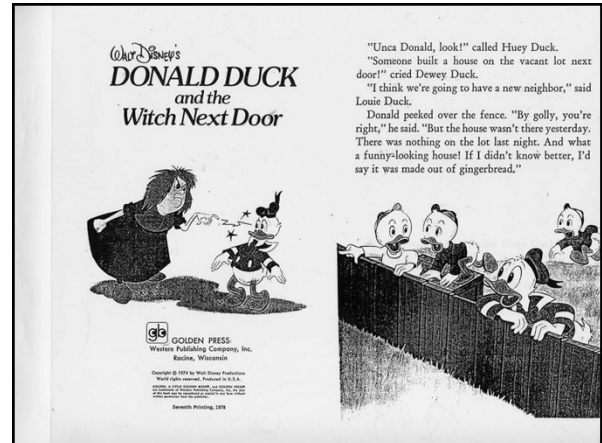
John Streff, OD

What is 20/20 vision?

What is vision?



- Visual Acuity (20/20)
- Visual Skills
 - Eye Teaming (Binocular Vision)
 - Focusing (Accommodation)
 - Eye Movements (Pursuits & Saccades)
- Visual Perception



Visual Perception

- Perceptual Motor
- Laterality & Directionality
 - Letter reversals: b d
- Form Perception
- Visual Memory/Visualization
- Visual Motor Integration
- Auditory Visual Integration



Who is a good speller?

- Good reader?
- Good student?
- High IQ?
- Good penmanship?

- Does writing word 10 times help improve spelling?

Two Major Systems

- Auditory-Verbal (Linguistic)
 - Phonic attack ability
 - Auditory-verbal sequencing memory
- Visual (Pictorial)
 - Visual recognition
 - Visual recall

[Note: Most relevant subdivisions for spelling.]

Auditory-Verbal (Linguistic)

- Phonic attack ability
 - Ability to break down the grapheme code
 - Grapheme=written symbol for sound
 - Deals with an existing input
- Auditory-verbal sequencing memory
 - Recall of the letters that compose a word
 - Input is no longer present
 - Memory of the way it was sounded out in the past

Visual (Pictorial)

- Visual recognition
 - Ability to “remember” by matching a current visual input against an internal image reconstructed from a similar past input
 - Example: Recognize a face with person present
- Visual recall
 - Ability to “remember” by conjuring up a visual image based on past input when current input is not present
 - Example: Remember a person’s features when he is not present

Generalizations

1. Good Reader and Good Speller
2. Very Poor Reader and Good Speller
3. Good Reader and Poor Speller
4. Very Poor Reader and Poor Speller

Good Reader/Good Speller

- Must be efficiently using some combination of visual imagery, phonic attack or auditory sequencing ability
- Exact strategy(s) needs to be probed
“What’s going on in there?”

Very Poor Reader/ Good Speller

- Usually poor in auditory-verbal abilities, especially phonics
- Likely to have some degree of visual imagery ability
- Often good on spelling tests but not actually good at spelling

Good Reader/Poor Speller

- Usually good in phonics (where visual input is present) and poor in both auditory-verbal sequencing memory and visual imagery ability
- Needs a current visual or auditory input

Very Poor Reader/ Poor Speller

- Usually poor in phonic analysis, auditory-verbal sequencing memory and visual imagery recall (or doesn’t use it for reading and spelling!)

“What’s going on in there?”

- Phonic attack
- Auditory-Verbal sequencing memory
- Visual imagery

Probing Visual Imagery

- By inference—objective visual memory tests
- Subjectively

Visual Memory Tests— What's going on in there?

- How did you do that?
 - See images of the forms in mind?
 - Talk to self?
 - A little of each?
 - How do you try to remember to spell this word?
- Does child USE visual imagery?

Subjective Visual Imagery “tests”

- Close eyes—“Do you dream?”
- “Imagine” mother or father’s face (something very familiar)
 - Can you rotate it to face a different way?
- Imagine an ice cream cone
 - Can you change the kind of cone/ice cream?

Visual Imagery

- Poor imager (espec. if poor learner)
 - Vision examination
 - Functional vision examination
 - Program to develop visual imagery skills
- Non-utilizer
 - Learn to use it!

Spelling Visual Imagery Technique

- Unknown word
- Imagine chalkboard/piece of paper/sandbox
- “Write” the letters (one at a time) that helper calls out
- SEE the letters (try not to SAY them)
 - OK to physically “write” with hand if needed
 - Tell me immediately if any letters disappear

Spelling Technique (cont.)

- Can you see the whole word in your mind?
- How many letters are there?
 - Tall letters?
 - Vowels?
- What letter comes after/before ___?
- Stop and get picture back if anything starts to disappear
- Read the letters backwards
- Read every other letter
- Recall at different times of day
- Use same word until it is very easy!

Spelling Technique (cont.)

- Training a PROCESS, not building a spelling vocabulary
 - Eventually work on building spelling vocabulary
- Examples:
 - “I thought that was cheating.”
 - “Dr. Knueppel, I can spell!”
 - Spelling bee winner

More Tips

- Spelling tests—practice as it is given in school
- Syllables
 - How many in the word?
 - Vowels in syllables
 - Spell each syllable forwards and backwards
- Commonly misspelled words
- Sight words
 - List on one page
 - Practice rapid naming
- Always spell correctly (when ready)

Letter Reversals

- Directionality
 - Awareness
 - Self
 - Others
 - Objects/Perspective

Visual Imagery For All Subjects

Vision Therapy Programs




Contact Information

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Questions?



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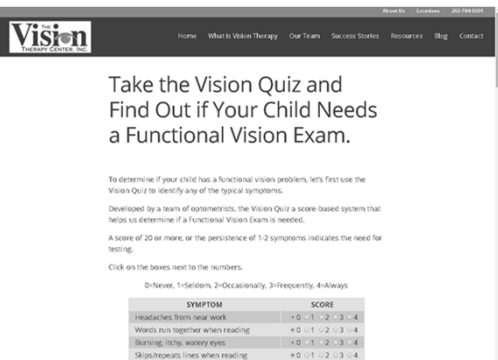


www.thevisiontherapycenter.com



The screenshot shows the website's navigation menu (Home, What is Vision Therapy, Our Team, Success Stories, Resources, Blog, Contact) and a 'Teachers' section. The 'Teachers' section includes a sub-header 'Resources and Connections for Educators', a welcome message, a list of resources (Vision and Learning, Impact on Subjects, Digital Readiness, What Teachers Can Do), a 'Learn More about Vision and Education' link, and a 'Latest Blog Posts' section with a featured post 'How Vision Problems Affect Learning'.

Vision Quiz



The screenshot shows the 'Vision Quiz' page with the title 'Take the Vision Quiz and Find Out if Your Child Needs a Functional Vision Exam.' Below the title is an introductory paragraph explaining the purpose of the quiz. At the bottom, there is a table of symptoms and their corresponding scores.

SYMPTOM	SCORE
Headaches from near work	0 -1 -2 -3 -4
Words run together when reading	0 -1 -2 -3 -4
Burning, itchy, watery eyes	0 -1 -2 -3 -4
Skips/repeats lines when reading	0 -1 -2 -3 -4

More Information

The Optometric Extension Program
www.oepf.org

Vision Therapy Parents Unite
www.facebook.com/groups/VTparentsunite/